

AD-A215 750

REF ID: A215 750

AD-A215 750

STANDARD INTERNATIONAL CLIMATE CONTROL

AD-A215 750

AD-A215 750

AD-A215 750  
AD-A215 750  
AD-A215 750

AD-A215 750

AD-A215 750  
AD-A215 750

AD-A215 750  
AD-A215 750

AD-A215 750

DTIC  
ELECTE  
NOV 29 1989  
S E D

Acco  
DTIC  
Dist  
Ava  
Dist  
A

①

104-2140/05-10/212

WATER, CLIMATIC, HUMIDITY

104-2140/05-10/212

104-2140/05-10/212

104-2140/05-10/212

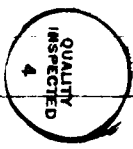
104-2140/05-10/212

104-2140/05-10/212

104-2140/05-10/212

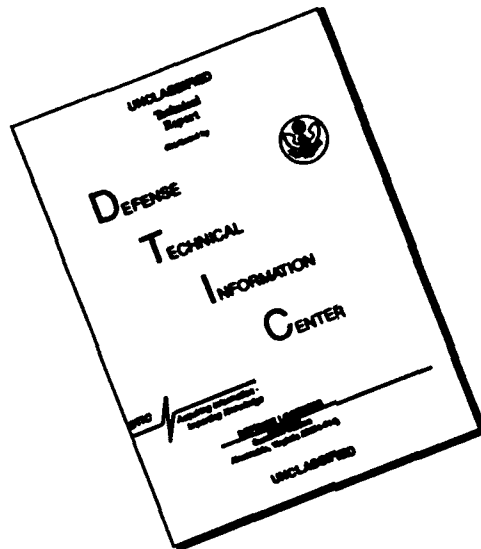
104-2140/05-10/212

Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input checked="" type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	23



DTIC  
ELECTE  
NOV 29 1989  
S E D

# DISCLAIMER NOTICE



THIS DOCUMENT IS BEST  
QUALITY AVAILABLE. THE COPY  
FURNISHED TO DTIC CONTAINED  
A SIGNIFICANT NUMBER OF  
PAGES WHICH DO NOT  
REPRODUCE LEGIBLY.





ADDITIONAL STATEMENT

READ THE STATEMENT ATTACHED TO THIS FORM  
IT IS THE POLICY OF THE DEPARTMENT OF DEFENSE  
TO NOT DISCLOSE TO THE PUBLIC INFORMATION  
OF A TECHNICAL NATURE, BY THE DEFENSE TECHNICAL  
INFORMATION NATIONAL TECHNICAL INFORMATION SERVICE

89 11 28 059

b

# FORM 107-1 (REV. 1-73)

1. ABSTRACT SECURITY CLASSIFICATION: UNCLASSIFIED
2. DISTRIBUTION/AVAILABILITY STATEMENT: UNLIMITED
3. DOWNGRADING INFORMATION (DATE AND CODE): 10/1/73-10/1/73
4. NAME OF DOWNGRADING AUTHORITY: [REDACTED]
5. OFFICE SYMBOL: [REDACTED]
6. ADDRESS: [REDACTED]
7. TITLE: [REDACTED]
8. TYPE OF REPORT: DATA REPORT
9. PERIOD COVERED: 1961-1962
10. DATE OF REPORT: 1962
11. SUPPLEMENTARY NOTES: [REDACTED]
12. SUBJECT TERMS: [REDACTED]
13. ABSTRACT: [REDACTED]
14. DISTRIBUTION/AVAILABILITY STATEMENT: UNLIMITED
15. ABSTRACT SECURITY CLASSIFICATION: UNCLASSIFIED
16. NAME OF RESPONSIBLE INDIVIDUAL: [REDACTED]
17. TELEPHONE: 704-269-2400

DD FORM 1473

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

CLASSIFICATION PAGE

DATE: 1 JULY 1964, IS: 30-44-15-000000, 000000 (1000)  
SUBJECT: 30-44-15-000000, 000000 (1000)  
SUMMARY: 30-44-15-000000, 000000 (1000)  
NATION: 30-44-15-000000, 000000 (1000)  
DATE: 1 JULY 1964, IS: 30-44-15-000000, 000000 (1000)  
SUBJECT: 30-44-15-000000, 000000 (1000)

DATE: 1 JULY 1964, IS: 30-44-15-000000, 000000 (1000)  
SUBJECT: 30-44-15-000000, 000000 (1000)  
SUMMARY: 30-44-15-000000, 000000 (1000)  
NATION: 30-44-15-000000, 000000 (1000)  
DATE: 1 JULY 1964, IS: 30-44-15-000000, 000000 (1000)  
SUBJECT: 30-44-15-000000, 000000 (1000)

DATE: 1 JULY 1964, IS: 30-44-15-000000, 000000 (1000)  
SUBJECT: 30-44-15-000000, 000000 (1000)  
SUMMARY: 30-44-15-000000, 000000 (1000)  
NATION: 30-44-15-000000, 000000 (1000)  
DATE: 1 JULY 1964, IS: 30-44-15-000000, 000000 (1000)  
SUBJECT: 30-44-15-000000, 000000 (1000)

DATE: 1 JULY 1964, IS: 30-44-15-000000, 000000 (1000)  
SUBJECT: 30-44-15-000000, 000000 (1000)  
SUMMARY: 30-44-15-000000, 000000 (1000)  
NATION: 30-44-15-000000, 000000 (1000)  
DATE: 1 JULY 1964, IS: 30-44-15-000000, 000000 (1000)  
SUBJECT: 30-44-15-000000, 000000 (1000)

# CONTENTS

1. INTRODUCTION.....	1
2. STATION PROFILE.....	1
3. DATA SOURCES.....	1
4. TERMS EXPLAINED.....	1
5. THE CONVENTIONS.....	1
6. ABBREVIATIONS.....	1
7. SUMMARY OF DESCRIPTIONS.....	1
8. STATION HISTORY.....	1
9. PART I - AIRSPEED AND WIND DATA SUMMARY.....	1-1
9.1. AIRSPEED DATA.....	1-1
9.1.1. AIRSPEED DATA (FROM 1950 TO 1954).....	1-1
9.1.2. AIRSPEED DATA (FROM 1955 TO 1959).....	1-1
9.1.3. AIRSPEED DATA (FROM 1960 TO 1964).....	1-1
9.1.4. AIRSPEED DATA (FROM 1965 TO 1969).....	1-1
9.1.5. AIRSPEED DATA (FROM 1970 TO 1974).....	1-1
10. PART II - WIND DIRECTION, VELOCITY, AND OTHER DATA.....	1-1
10.1. WIND DIRECTION.....	1-1
10.1.1. WIND DIRECTION DATA (FROM 1950 TO 1954).....	1-1
10.1.2. WIND DIRECTION DATA (FROM 1955 TO 1959).....	1-1
10.1.3. WIND DIRECTION DATA (FROM 1960 TO 1964).....	1-1
10.1.4. WIND DIRECTION DATA (FROM 1965 TO 1969).....	1-1
10.1.5. WIND DIRECTION DATA (FROM 1970 TO 1974).....	1-1
10.2. WIND VELOCITY.....	1-1
10.2.1. WIND VELOCITY DATA (FROM 1950 TO 1954).....	1-1
10.2.2. WIND VELOCITY DATA (FROM 1955 TO 1959).....	1-1
10.2.3. WIND VELOCITY DATA (FROM 1960 TO 1964).....	1-1
10.2.4. WIND VELOCITY DATA (FROM 1965 TO 1969).....	1-1
10.2.5. WIND VELOCITY DATA (FROM 1970 TO 1974).....	1-1
10.3. WIND DIRECTION AND VELOCITY.....	1-1
10.3.1. WIND DIRECTION AND VELOCITY DATA (FROM 1950 TO 1954).....	1-1
10.3.2. WIND DIRECTION AND VELOCITY DATA (FROM 1955 TO 1959).....	1-1
10.3.3. WIND DIRECTION AND VELOCITY DATA (FROM 1960 TO 1964).....	1-1
10.3.4. WIND DIRECTION AND VELOCITY DATA (FROM 1965 TO 1969).....	1-1
10.3.5. WIND DIRECTION AND VELOCITY DATA (FROM 1970 TO 1974).....	1-1
11. PART III - CLOUDS, VISIBILITY, AND OTHER DATA.....	1-1
11.1. CLOUDS.....	1-1
11.1.1. CLOUD DATA (FROM 1950 TO 1954).....	1-1
11.1.2. CLOUD DATA (FROM 1955 TO 1959).....	1-1
11.1.3. CLOUD DATA (FROM 1960 TO 1964).....	1-1
11.1.4. CLOUD DATA (FROM 1965 TO 1969).....	1-1
11.1.5. CLOUD DATA (FROM 1970 TO 1974).....	1-1
11.2. VISIBILITY.....	1-1
11.2.1. VISIBILITY DATA (FROM 1950 TO 1954).....	1-1
11.2.2. VISIBILITY DATA (FROM 1955 TO 1959).....	1-1
11.2.3. VISIBILITY DATA (FROM 1960 TO 1964).....	1-1
11.2.4. VISIBILITY DATA (FROM 1965 TO 1969).....	1-1
11.2.5. VISIBILITY DATA (FROM 1970 TO 1974).....	1-1
11.3. OTHER DATA.....	1-1
11.3.1. OTHER DATA (FROM 1950 TO 1954).....	1-1
11.3.2. OTHER DATA (FROM 1955 TO 1959).....	1-1
11.3.3. OTHER DATA (FROM 1960 TO 1964).....	1-1
11.3.4. OTHER DATA (FROM 1965 TO 1969).....	1-1
11.3.5. OTHER DATA (FROM 1970 TO 1974).....	1-1



1990

THE UNIVERSITY OF CHICAGO

ANALY. DATE: JUNE 7 - JUL 10 (1970).

STATIONARY - MAY DATA: 1982-83 - JULY 3 (FULL YEAR).

[illegible][illegible]

**THE UNIVERSITY OF CHICAGO**

THEY ARE NOT TO BE USED IN ANY MANNER THAT WOULD BE A DISCLOSURE OF INFORMATION TO ANY OTHER PERSON OR ENTITY. THE INFORMATION IS TO BE USED ONLY FOR THE PURPOSES OF THE PROJECT AND IS TO BE KEPT IN A SECURE LOCATION. THE INFORMATION IS TO BE DESTROYED WHEN THE PROJECT IS COMPLETED.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 01/21/00 BY 60322 UCBAW/STP

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 08-19-2010 BY 60322 UCBAW/SJS/KSP

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the medium containing 100 mg/l of tetracycline. The cell concentration of the *Agrobacterium* strains was adjusted to 1.0 × 10<sup>8</sup> cells/ml. The cell suspension was mixed with the plant tissue and the transformation efficiency was determined. The results were expressed as the mean ± SD of three independent experiments. The asterisk indicates a significant difference ( $P < 0.05$ ) between the two strains.

THESE RESEARCHES HAVE BEEN FINANCED BY THE INSTITUTIONAL INVESTMENT  
FUND OF THE UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF.

[illegible]

FILE NUMBER: 100-81757-100 (PS-WALLING, GUY BROWN, 10-7-68).







LATITUDE LONGITUDE ELEV (FT) DATE TIME

143.05 172.40 101 2021

LOCATION AND INSTRUMENT IDENTIFY

A	T	L	I	LATITUDE	LONGITUDE	ELEV (FT)		DAY
						FLD (FT)	ROD (FT)	
A	03	7	00	143.05	172.40	94	171	24
T	07	7	00	S	172.40	101		24
T	00	7	00	S	S	S	177	24
J	20	00	00	S	S	S	S	24

INSTRUMENT IDENTIFICATION

COMMENTS, ADDITIONAL EQUIP-

TYPE OF INSTRUMENT GROUP

41/500-11	01-1000	15
S	1-2	14
2	S	5
41/500-1	01-1000	100
41/500-11	1-2	12
S	S	15
S	S	15
S	S	5
S	01-1000	5000
41/500-10	01-1000	5
S	S	13
S		22

00000000  
00000000

11111111  
11111111

00000000  
00000000

11111111  
11111111

00 00

11 11

11

11

00 00

11 11

11

11

00000000

11 11

00000000

11

00000000

11111111

00000000

11

00

11111111

00 00

11

00

11 11

00 00

11

11

11 11

11

11

11

11 11

11 11

11

1	TTTTTTTTT	AAAAAA
2	TTTTTTTTT	AAAAAA
3	TT	AA
4	TT	AA
5	TT	AA
6	TT	AAAAAA
7	TT	AAAAAA
8	TT	AA
9	TT	AA
10	TT	AA

# PART A

## ATMOSPHERIC PHENOMENA SUMMARY

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORY

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS.

LIQUID PRECIPITATION: RAIN OR SIZABLE FALLING WATER.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING SIZABLE

SOFTEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, AND RAIN  
PELLETS. IN JANUARY 1969, SNOW PELLETS WERE REPORTED AT

DATE: ALL OCCURRENCES OF RAIN.

ALL PRECIPITATION: INCLUDING ALL PRECIPITATION REPORTED IN  
HEREIN. ONE TYPE OF PRECIPITATION MAY BE REPORTED IN THE  
THE SUM OF PRECIPITATION IN THE INDIVIDUAL CATEGORIES MAY EXCEED  
IN THIS CATEGORY.

FOG: INCLUDING ALL REPORTED FOG, THUNDER, AND SIZABLE.

SMOG AND/OR HAZE: THUNDER, HAZE, OR COMBINATIONS OF THE TWO.

WINDY SMOG: ALL REPORTS OF WINDY SMOG, INCLUDING SMOG

WIND AND/OR SMOG: DUST, SAND, BLINDING DUST, AND SMOG.

BLINDING SPRAY: THE WALL OBSTRUCTING TO VISION OF THE  
SPRAY, IF ANY, IS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL  
TO VISION. SINCE THE OCCURRENCE OF THE SPRAY IS REPORTED  
REPORTED IN THE SPRAY OBSERVATION, THE SUM OF THE SPRAY  
CATEGORIES MAY EXCEED THE PRECIPITATION IN THIS CATEGORY.

REPORTED PHENOMENA--PERCENT OCCURRENCE OF EACH TYPE.

THESE TABLES GIVE THE PERCENT OCCURRENCE OF EACH TYPE (100)  
SIGN. THE DATA WAS TAKEN FROM 4 JULY OBSERVATIONS ONLY,  
FOLLOWING:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS AND THE MONTHS

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

PART A

THIS CATEGORY INCLUDES

ATMOSPHERIC PRECIPITATION, CATEGORIZED AS FOLLOWS:

1. OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATER SPUTS.

2. HAIL FALLING TO THE GROUND BUT NOT FREEZING.

3. FREEZING RAIN, AND WIND DRIVEN (GLAZE).

4. SNOW FLAKES, SLEET, SNOW STAINS, ICE CRYSTALS, ICE  
FLAKES, AND ICE ACCUMULATIONS.

5. ALL.

6. ALL OBSERVATIONS OF RAINING PRECIPITATION. (CASE  
PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION.  
THE INDIVIDUAL CATEGORICAL PERCENTAGES ARE

7. FOG, MIST, AND DRIZZLE.

8. ALL OBSERVATIONS OF FOG.

9. ALL THUNDERSTORMS, INCLUDING DRIZZLING STORM, WHEN REPORTED.

10. ALL THUNDERSTORMS, INCLUDING DRIZZLE, OR CATEGORIZED AS THUNDERSTORMS.

11. DRIZZLING IN VISIBILITY CATEGORY ACCOUNTS FOR ALL CASES

12. THIS CATEGORY INCLUDES ALL REPORTS OF DRIZZLING  
AND DRIZZLING THUNDERSTORMS. DRIZZLING IN VISIBILITY MAY BE  
VARIABLE, THE SUBJECT OF THE PERCENTAGES IN THE INDIVIDUAL  
CATEGORIES IN THIS CATEGORY.

13. DRIZZLING PRECIPITATION.

14. DRIZZLING PRECIPITATION (DRP) FOR THE ATMOSPHERIC PRECIPITATION  
CATEGORY OBSERVATIONS ONLY, AND IS SUMMARIZED AS

15. THE PERCENTAGE FOR EACH MONTH (ALL YEARS COMBINED).

16. ALL (DRP COMBINED).

17. ALL (DRP COMBINED).

PRECIPITATION PHENOMENA--PERCENT OCCURRENCE TRANSMIT (CONT).

THIS TABLE IS THE ONLY ONE IN PART 3 THAT IS PRESENTED IN THIS DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS.

THUNDERSTORMS--PERCENT OCCURRENCE TRANSMIT.

THIS TABLE GIVES THE PERCENT OCCURRENCE TRANSMIT OF THUNDERSTORMS IN THE HOURLY OBSERVATION. DATA IS SUMMARIZED MONTHLY AND ANNUALLY.

PRECIPITATION PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE TRANSMIT.

THESE TABLES INCLUDE SUMMARY OF DATA FOR ALL YEARS AND YEARS. DIRECTION CATEGORIES ARE AS SPECIFIED BY THE OBSERVATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SIGMET (LM AND FORMS 10/104) AND TRANSMIT LOGGING ONLY IN PRECIPITATION PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS IN JANUARY 1965, BUT SYNOPTIC STATIONS ALWAYS DID IT. METAR STATIONS STARTED RECORDING, ALL AT 1000 HOURS. METAR STATIONS CONTINUED TO TRANSMIT ONLY THE HIGHEST CODE. FOR EXAMPLE, OBSERVATION INCLUDED 1000, FOR ANY CODE, ONLY THE HIGHEST CODE. IN THE PREVIOUS, THE OBSERVATION IS VISIBILITY (AND THE HIGHEST CODE). SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE PRESENTED IN

NOTE 2: METAR STATIONS REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT VISIBILITY WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF "0.0" IN ANY SUMMARY REPRESENTS THE PERCENT ASSIGNED, AMOUNT TO 0.05 PERCENT.

1. FREQUENCY (25).  
IN PART A THAT IS PROVIDED BODY SUMMARY OF DAY  
ENTIRE AND ANNUALLY FOR ALL YEARS COMBINED.

2. FREQUENCY.  
THE OCCURRENCE FREQUENCY OF THUNDER-STORMS REPORTED IN  
IS SUMMARIZED SAME AS THE FIRST TABLE IN THIS PART.

3. SECTION--REPORT OCCURRENCE FREQUENCY.  
OF ALL YEARS FOR ALL YEARS AND YEARS COMBINED. THIS  
IS REPORTED BY THE LOCAL WEATHER STATION.

4. HAVE CHANGED WITH TIME. WEATHER AND SYNOPTIC REPORTING STATIONS  
) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATOMS-  
IS VISIBILITY. WEATHER STATIONS STARTED THIS PROCEDURE IN  
STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, WEATHER  
ALL ATOMIS-ISM REPORTED THAT AFFECTED VISIBILITY, BUT  
THE HIGHEST ORDER. FOR EXAMPLE, IF THE WEATHER WAS  
AND ONLY, ONLY THE HIGHEST WAS TRANSMITTED. BECAUSE OF  
THE DATA TO ONLY SHOW ONLY HIGHEST AS AN INSTRUCTION.  
IN VISIBILITY (AND TO ALL WEATHER STATIONS, PRECIPITATION)  
WEATHER STATIONS ALWAYS TRANSMITTED.

5. STATIONS FREQUENTLY DO NOT TRANSMIT INSTRUCTIONS TO  
OTHER STATIONS.

6. STATIONS FREQUENTLY DO NOT TRANSMIT INSTRUCTIONS THAT, IN  
STATIONS FREQUENTLY.



OPERATING LOCALITY NAME  
JSAFETAC, ASBVILLE, NC

PERCENTAGE COMPLETION OF ITEMS WITH A TIME AT  
STATION NUMBER: 725775 STATION NAME: PLANT AREA 44  
LST TO UTC: + 5

STATION NUMBER: 725775 STATION NAME: PLANT AREA 44  
LST TO UTC: + 5

.....  
HOURS LISTS LISTS LISTS LISTS LISTS LISTS LISTS LISTS LISTS LISTS  
(LST) LISTS LISTS LISTS LISTS LISTS LISTS LISTS LISTS LISTS LISTS

.....  
00-02 3.0 1.0 7.4 12.2 1.5 1.5 1.5  
03-05 3.4 1.0 1.4 12.2 1.7 1.7 1.7  
06-08 2.5 1.0 10.5 14.1 10.1 1.7 1.7  
09-11 3.0 1.0 11.7 15.1 3.1 1.2 1.2  
12-14 3.5 1.0 10.5 16.7 1.0 1.7 1.7  
15-17 4.7 1.2 11.1 16.7 1.1 1.7 1.7  
18-20 1.2 1.4 9.2 13.2 1.5 1.7 1.7  
21-23 3.0 1.3 9.0 14.0 1.2 1.7 1.7

ALL  
HOURS 2.7 1.2 9.7 16.7 1.1 1.2 1.2

.....  
00-02 7.2 2.0 7.7 16.2 14.2 1.2 1.2  
03-05 1.5 1.4 1.4 12.4 14.7 1.5 1.7  
06-08 7.5 1.5 9.0 15.2 14.7 1.5 1.7  
09-11 7.7 1.7 10.0 14.4 12.1 1.7 1.7  
12-14 7.1 1.5 7.9 15.5 10.2 1.7 1.7  
15-17 9.1 1.5 3.4 17.2 15.4 1.7 1.7  
18-20 1.1 1.4 7.3 15.7 13.2 1.7 1.7  
21-23 6.9 1.4 7.4 15.1 12.5 1.5 1.7

ALL  
HOURS 1.0 7.2 1.2 3.2 17.2 12.2 1.5 1.7

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM JULY 1960 TO JULY 1961

PERIOD OF RECORD: JUL 70 - JUL 61  
 UNIT: JAN

ALL PRECIP	WIND SPEED	SMOKE S/HR	SEMI- SUN	DUST S/HR	ALL DUST	TOTAL NO. OF HRS
12.3	7.4	1.6	.2		21.4	930
12.0	6.7	1.8	.3		20.8	910
14.0	10.1	1.5	.0		25.6	950
13.1	9.1	1.7	.4		24.3	930
15.7	11.0	1.7	.7		29.1	930
16.0	11.1	1.7	.4		29.2	930
13.9	8.5	1.7	.0		23.6	950
14.2	8.7	1.8	.5		25.2	930
18.2	11.1	2.2	.5		32.0	7400

18.0	11.0	1.2	.5		30.7	840
17.6	10.7	1.5	.2		29.5	840
18.2	11.7	2.4	.1		32.4	840
14.4	10.1	1.7	1.3		27.5	840
16.8	10.2	1.4	.7		29.1	840
17.3	10.6	1.5	.7		30.5	840
16.7	13.2	.3	1.2		31.4	840
15.0	12.5	1.3	.7		30.5	840
17.2	12.8	1.6	.9		32.5	8700

OPERATING LOCATION NAME  
JSAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS AT  
TEMPERATURES

STATION NAME: 715051

STATION NAME: 07451 4-5 11  
LAT LONG: + 5

DATE

TIME

.....  
HOURS (LST) ISMS LIQUID FREEZ FROZEN HAIL ALL  
PRECIP PRECIP PRECIP PRECIP PRECIP

00-02 10.3 1.5 7.3 12.7 14.2 1.7 1.1

03-05 .1 11.2 1.5 5.9 10.3 15.2 2.0

06-08 11.7 1.1 7.1 19.0 17.7 2.0

09-11 9.0 .1 7.2 17.2 13.2 1.1

12-14 10.5 .2 5.2 17.1 11.3 1.0

15-17 11.5 .2 5.2 16.1 11.2 1.0

18-20 .1 12.0 1.0 3.1 13.0 14.8 1.7 1.1

21-23 .1 12.5 1.1 5.2 19.0 13.1 1.0

ALL  
HOURS .2 11.5 .0 4.2 19.5 14.2 2.2

ST-1

00-02 .1 10.7 .3 1.2 10.3 10.3 2.0 .0

03-05 10.1 .1 2.1 21.3 22.4 1.9 .7

06-08 10.7 1.7 19.3 23.2 3.1 .0

09-11 .2 10.1 1.6 15.2 15.2 3.0 .4

12-14 .1 10.5 1.5 15.1 11.2 2.0 .3

15-17 .3 10.0 .7 16.5 9.0 1.0 .0

18-20 .2 10.6 1.1 17.7 14.2 2.0 .2

21-23 .1 10.5 1.4 13.2 18.8 2.2 .3

ALL  
HOURS .1 10.6 .1 1.6 18.2 17.0 2.7 .5

# DAY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA 1. CLOUDY OBSERVATIONS

PERIOD OF REPORT: JUL 79 - JUL 80  
 MONTH: JUL

1	2	3	4	5	6
TIME	WIND	TEMP	WIND	TEMP	WIND
1000	1000	1000	1000	1000	1000
14.5	1.7	.1	36.1	93.0	
15.0	2.0		37.0	93.0	
17.7	2.0		40.6	105.0	
18.0	2.6		33.7	92.2	
11.0	2.6		30.5	86.9	
11.7	2.6		30.0	86.0	
16.0	1.7	.1	31.2	88.2	
13.0	1.0		30.1	86.2	
14.2	2.2		34.0	93.2	

MONTH: JUL

1	2	3	4	5	6
TIME	WIND	TEMP	WIND	TEMP	WIND
1000	1000	1000	1000	1000	1000
10.0	2.0	.6	41.3	106.3	
12.6	1.6	.7	42.7	108.9	
23.2	3.1	.1	44.3	111.7	
15.2	3.0	.4	39.1	102.4	
11.2	2.7	.3	32.6	90.7	
1.0	1.1	.3	29.8	85.6	
16.2	2.1	.7	37.3	99.1	
16.0	2.2	.3	39.4	102.9	
17.0	2.7	.5	34.4	93.9	

PERCENTAGE OF THE POPULATION OF THE UNITED STATES  
IN EACH RACE

STATION NAME: PLAGE A - 10  
EST. ELEV: + 6

00-02	18.5	19.0	20.2	1.7
03-05	18.	18.5	20.5	2.0
06-08	18.4	18.6	23.4	4.8
09-11	18.9	19.3	25.1	5.8
12-14	18.5	19.	25.	6.5
15-17	18.4	18.6	25.5	6.9
18-20	18.1	18.1	25.1	7.0
21-25	18.3	18.3	25.	7.7

4000 3000 2000 1000

00-02	1.3	18.1	18.1	21.2	3.2
03-05	1.3	12.5	12.5	17.4	7.1
06-08	.1	14.6	14.6	14.1	3.0
09-11	.5	12.1	12.5	16.9	4.2
12-14	.3	11.3	11.3	12.5	1.2
15-17	1.4	11.4	11.6	9.3	.1
18-20	1.9	11.7	11.7	14.6	6.3
21-23	1.2	10.6	10.6	12.3	.1

ALL	1.2	12.4	12.3	17.1	22.4
ADJUS					

DATE: JUL 27 - JUL 28  
TIME: 11:00 AM

TABLE 2-11				
14.1	11.2	4.9	62.7	62.7
12.1	17.4	7.3	67.5	79.6
13.5	14.1	0.	45.2	45.2
12.1	14.9	2.8	36.7	48.8
11.1	17.3	6.2	34.2	40.4
11.8	0.2	0.	21.2	21.2
11.7	14.6	2.9	31.0	32.9
16.5	12.5	4.0	35.3	39.3
12.1	17.4	5.4	35.5	71.5

OPERATING LOCATION: "A"  
USMC/AF, AND FIELD NO

ALSO STAGE BRIDGE OF 1500 FT. AIR TOWER  
DATE: 12-16-55

STATION NAME: 225

STATION NAME: 225  
LAT: 10 12; + 1

STATION NAME: 225  
LAT: 10 12; + 1

HOURS (LIST) 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 24:00

00-02	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
03-05	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
06-08	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
09-11	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12-14	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
15-17	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
18-20	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
21-23	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

ALL HOURS 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

00-02	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
03-05	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
06-08	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
09-11	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12-14	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
15-17	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
18-20	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
21-23	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

ALL HOURS 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

# 1. FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM 4 GUY'S OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 80  
MONTH: JUL

ALL PHENOMENA	ALL GUY'S	SHINE GUY'S	SHINE GUY'S	JUST GUY'S SAND	ALL GUY'S TO VSN	TOTAL GUY'S
3.1	24.3	7.7			39.6	930
3.3	31.5	9.5			43.3	930
7.5	25.5	12.5			43.5	930
7.7	19.5	12.5			39.2	930
7.9	7.5	12.5			27.1	930
8.4	3.9	12.7			31.3	930
11.3	1.1	13.1			32.5	930
9.	22.6	9.5			42.9	930
1.1	12.4	11.1			39.1	930

MONTH: AUG

3.1	23.0	7.7			39.4	930
3.	27.2	5.7			42.7	930
6.2	27.0	9.5			46.2	930
6.9	15.2	9.7			31.9	930
7.5	9.4	12.6			26.3	930
7.2	9.5	11.0			27.6	930
9.	12.4	11.0			29.8	930
7.9	16.6	9.5			33.7	930
7.3	17.5	9.2			34.5	7440



OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS AMOUNTS OF PRECIPITATION

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH  
EST. ELEVATION: + 5

DATE: 10/1/54  
ADDITIONAL: 5

HOURS (LST)	TIME	LIQUID PRECIP	FROZEN PRECIP	HAUL	ALL PRECIP	NO PRECIP	OTHER	UNKNOWN
-------------	------	---------------	---------------	------	------------	-----------	-------	---------

00-02	.5	1.7			2.2	10.3	2.1	
03-05	.3	10.4			10.4	22.7	4.1	
06-08		10.2			10.2	15.7	3.2	
09-11	.1	7.4			7.4	12.2	4.6	
12-14		7.1			7.1	7.3	3.2	
15-17		5.7			5.7	4.3	..	
18-20	.7	5.7			6.4	13.7	5.1	
21-23	1.3	10.2			11.5	17.3	5.7	

ALL HOURS	.3	9.1			9.4	16.2	4.1	
-----------	----	-----	--	--	-----	------	-----	--

00-02	.1	10.6			10.7	20.3	1.1	
03-05		10.1			10.1	25.7	1.7	
06-08		11.2			11.2	16.7	2.1	
09-11		3.4	.2		3.6	14.3	3.2	
12-14	.3	4.7	.5		5.2	9.3	1.7	
15-17	.3	10.8	.4		11.2	11.7	1.2	
18-20	.6	12.9	.6		13.5	13.1	1.2	
21-23	.1	11.3	.3		11.6	17.3	1.2	

ALL HOURS	.2	10.1	.3		10.4	16.7	1.0	
-----------	----	------	----	--	------	------	-----	--

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

STATION: ... PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: SEP

ALL HOURS	SMOKE 8/10	BLOWING SNOW	DUST 8/10	ALL DUST T. V. SH	TOTAL HOURS
3.7	10.3	2.2		31.3	260
11.4	22.7	4.1		37.2	900
10.2	23.6	3.2		40.1	900
7.4	12.2	4.4		24.2	200
7.1	1.3	3.2		13.7	900
8.7	4.4	4.7		22.2	300
12.7	13.7	3.1		27.4	200
10.2	17.3	3.7		31.7	200
12.1	15.2	4.2		22.3	7200

MONTH: OCT

12.5	21.0	1.1		31.6	930
10.1	25.2	1.7		35.3	120
11.2	16.5	2.3		40.5	900
9.5	16.5	3.0		27.4	930
10.4	9.5	1.7		21.7	930
11.2	6.7	1.2		20.2	100
13.5	13.1	1.0		27.5	930
11.5	17.5	1.3		30.5	930
11.0	16.7	1.9		29.5	7440

OPERATING LOCATION: "A"  
USAF-FAF, ASHVILLE, NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS AMOUNTS OF PRECIPITATION OBSERVATIONS

STATION NUMBER: 710055

STATION NAME: PEASE AFB, GA  
LAT 32.000; LONG 82.000

DATE: 10/1/54  
TIME: 1200

HOURS (LST)	TIME	MINUTE	PRECIP	PRECIP	PRECIP	HAIL	ALL	PRECIP	PRECIP	PRECIP	PRECIP
-------------	------	--------	--------	--------	--------	------	-----	--------	--------	--------	--------

00-02			12.7	.7	2.4		15.2	15.4	1.1		
03-05			12.1	.5	2.3		15.6	17.1	1.5		
06-08			13.4	.1	1.2		15.4	20.1	0.2		
09-11			15.3	.7	1.7		17.7	17.7	2.2		
12-14			14.1	.1	1.3		15.5	13.1	1.5		
15-17			13.7		2.9		15.4	12.3	2.1		
18-20			11.2	.2	2.3		15.4	12.1	2.1		
21-23	.1		11.9	.7	2.2		14.3	14.3	1.2		

ALL HOURS	TIME	MINUTE	PRECIP	PRECIP	PRECIP	HAIL	ALL	PRECIP	PRECIP	PRECIP	PRECIP
-----------	------	--------	--------	--------	--------	------	-----	--------	--------	--------	--------

00-02			7.4	.4	0.7		17.5	14.1	.3		
03-05			1.0	.3	0.2		15.2	14.0	.2		
06-08			0.1	1.2	0.0		15.5	15.4	1.2		
09-11			5.8	.9	1.0		15.4	11.5	2.7	.2	
12-14			4.3	.5	0.5		14.7	12.3	1.7	.3	
15-17			0.5	1.0	0.0		15.5	11.2	1.5		
18-20	.1		6.7	1.0	0.5		16.1	13.9	1.3	.1	
21-23	.2		6.5	1.2	0.7		16.3	13.3	.2	.1	

ALL HOURS	TIME	MINUTE	PRECIP	PRECIP	PRECIP	HAIL	ALL	PRECIP	PRECIP	PRECIP	PRECIP
-----------	------	--------	--------	--------	--------	------	-----	--------	--------	--------	--------

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION: ..... PERIOD OF RECORD: JUL 77 - JUN 80  
MONTH: NOV

ALL PRECIP	FOG	SMOKE S/DR HAZE	BLUING SMOKE	DUST S/DR SAND	ALL DUST TO VSN	TOTAL HOURS
15.5	15.6	1.1			32.3	900
15.6	17.1	1.5			33.7	900
15.4	20.3	2.2			38.3	900
17.7	17.7	3.2			42.3	900
15.5	13.1	1.5			30.2	900
15.4	12.3	2.1			30.9	900
15.4	13.2	2.1			31.3	900
14.9	14.7	1.3			30.9	900
15.7	15.5	1.3			33.3	7200

MONTH: DEC

17.7	14.1	.3			31.9	930
15.7	14.3	.2			31.5	930
15.5	13.6	1.2			32.2	930
15.4	11.3	2.7	.2		20.6	930
14.7	11.5	1.7	.3		24.9	930
15.5	11.2	1.3			25.7	930
16.1	13.9	1.3	.1		31.4	930
15.4	13.3	.3	.1		30.5	930
15.2	12.9	1.2	.1		30.1	7440

PREPARING LOCATION NAME  
USAFETAG, ASH-VILLE NC

DISCOUNTAGE FREQUENCY OF VARIOUS ATTEMPTS NO. 24  
10-14 100%LY AND 100%LY

STATION NUMBER: 725055

STATION NAME: DEASE A-11-11

2-11-11

EST IS UTC: + 5

100%LY

MONTH	ISIMS	LIQUID PRECIP	FREELZ PRECIP	FREZEN PRECIP	HAIL	ALL PRECIP	4-5	6-10	10-15	15-20
JAN		3.7	1.2	0.7		14.7	2.1	2.2		0.0
FEB	.2	4.1	1.2	0.2		17.2	12.3	1.0		0.0
MAR	.0	11.5	.9	0.2		19.8	14.2	2.7		0.0
APR	.1	10.5	.1	1.5		12.2	17.2	2.7		0.7
MAY	.4	14.5				14.5	18.5	2.5		
JUN	1.2	11.3				12.3	17.3	3.3		
JUL	1.3	11.6				11.6	19.4	11.1		
AUG	.2	.3				8.3	17.5	3.3		
SEP	.3	0.1				9.1	15.0	4.3		
OCT	.2	12.3		.3		11.2	16.7	1.2		
NOV	.2	13.1	.4	2.2		15.7	15.7	1.0		
DEC	.2	2.3	.3	0.3		15.9	12.3	1.0		.1
ANNUAL	.4	10.2	.4	3.1		13.6	15.5	3.5		.2

FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
 FROM SURVEY OBSERVATIONS

DATE: 1979 PERIOD OF RECORD: JUL 79 - JUN 80  
 STATIONS: ALL

ALL	FOG	SMOKE	PLUMING	W/ST	ALL	TOTAL
W/ST	W/ST	W/ST	W/ST	W/ST	W/ST	W/ST
W/ST	W/ST	W/ST	W/ST	W/ST	W/ST	W/ST
14.7	5.1	2.2	.5	25.4	7442	
17.7	12.1	1.0	.7	32.5	5792	
15.8	14.2	2.2	.3	34.9	7440	
12.1	17.2	2.7	.5	36.4	7280	
14.7	14.0	2.5		35.0	7440	
12.3	17.5	3.1		36.9	7100	
11.5	12.4	11.1		33.1	7440	
10.5	17.5	4.0		36.6	7440	
9.1	15.3	4.3		30.3	7200	
11.0	16.7	1.2		29.5	7440	
13.7	15.5	1.0		33.2	7200	
15.7	12.3	1.3	.1	33.1	7440	
13.5	15.5	3.5	.2	36.1	57667	

OPERATING LOCATION: WAFB  
USAFETAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC  
FROM JOURNAL OF DAY DATA

STATION NUMBER: 726035

STATION NAME: PEASE AFB, GA

EST TO UTC: +05

MONTH	LSI AS PRECIP	LIQUID PRECIP	FROST PRECIP	FROZEN PRECIP	HAUL	ALL PRECIP	WIND SPEED	WIND DIRECTION
JAN	2.5	23.4	7.5	42.5	.1	42.2	34.2	12.2
FEB	1.1	23.4	5.1	38.2		49.5	34.9	11.2
MAR	1.0	35.0	8.2	32.7	.2	70.9	40.3	18.2
APR	3.5	51.4	.5	13.1	.2	53.2	42.2	15.2
MAY	4.3	52.0		.2	.2	52.0	49.2	21.2
JUN	13.2	70.2			.4	60.2	51.2	31.2
JUL	13.5	48.1			.7	45.1	51.2	43.2
AUG	11.2	44.5			.9	44.5	52.2	44.2
SEP	5.8	41.2			.1	41.2	40.2	31.2
OCT	2.1	39.5		1.1		39.3	40.3	22.2
NOV	1.0	32.2	2.1	15.1		32.0	40.5	17.2
DEC	.9	31.2	0.5	32.2		34.2	42.2	15.2
ANNUAL	5.4	42.5	2.4	14.3	.2	47.2	44.7	24.7





OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725057

STATION NAME: PEASE AREA NH  
LST TO UTC: + 5

PERIOD:

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
00-02				.1		1.0	1.0	.3	.
03-05			.1			1.0	.3	.3	.3
06-08						.1	.1	.1	
09-11				.2	.1	.3	.1	.1	.4
12-14				.1	.3	.3	.3	.	
15-17				.3	.2	1.0	3.4	2.	
18-20		.1	.1	.2	1.0	1.0	4.1	1.7	.7
21-23			.1	.1	1.0	1.0	1.1	1.7	1.3
ALL TYPES		.3	.3	.1	.4	1.2	1.0	.3	.7
TOTAL									
Obs	7440	5732	7440	7270	7460	7100	7440	7460	7220

TABLE EFFICIENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION: PERIOD OF RECORD: JUL 77 - JUL 80

	JUL	JUL	AUG	SEP	OCT	NOV	DEC
1	1.0	1.0	.3	.0	.1		
2	1.0	.3	.3	.3			
3	.1	.1	.1				
4	.0	.1	.1	.1			
5	.0	.0	.0		.3		
6	1.0	3.4	2.0		.3		
7	1.0	0.1	1.0	.7	.0		.1
8	1.0	1.0	1.0	1.0	.1	.1	.2
9	1.0	1.0	.0	.2	.2	.0	.
10	7135	7440	7440	7200	7440	7200	7440

OPERATING LOCATION NAME  
USAFAC, ASHVILLE, NC

PERCENTAGE EFFICIENCY OF 1000 HRS. OF OPERATING  
VERSUS WIND DIRECTION - 1000 HRS. OF OPERATING

STATION NUMBER: 256056

STATION NAME: PHAS-ASH-VR  
EST DUTY: + 5

STATION  
NUMBER: J

PHENOMENA: CALM VARIABLE 350 - 000 000 - 170 170 - 250 250 -

TESTS

LIQUID 13.3 17.7 32.1 13.3 13.3

PRECIP 13.3 17.7 32.1 13.3 13.3

FROZEN 13.3 17.7 32.1 13.3 13.3

PRECIP 13.3 17.7 32.1 13.3 13.3

FOG 13.3 17.7 32.1 13.3 13.3

FOG WITH VIS 13.3 17.7 32.1 13.3 13.3  
GT 1/2 MILES

TOTAL 119 1372 0 315 315 1372 315

TESTS 100.0

LIQUID 13.3 17.7 32.1 13.3 13.3

PRECIP 13.3 17.7 32.1 13.3 13.3

FROZEN 13.3 17.7 32.1 13.3 13.3

PRECIP 13.3 17.7 32.1 13.3 13.3

FOG 13.3 17.7 32.1 13.3 13.3

FOG WITH VIS 13.3 17.7 32.1 13.3 13.3  
GT 1/2 MILES

TOTAL 119 1372 0 315 315 1372 315



OPERATING LOCATION NAM  
USABTAG, AIR VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF ATTEMPTED  
7/1955 WIND DIRECTION - 000 TO 179 - VARIABLE

STATION NUMBER: 22000

STATION NAME: PEAS, 400 FT

STATION

STATION ID: 4-5

STATION

.....

PHENOMENA ONLY VARIABLE 350 - 000 090 - 170 100 - 200 170 -

.....

ISMS 33.3 33.3 33.3 33.3

.....

LIQUID 0.0 0.0 0.0 0.0

PRECIP 0.0 0.0 0.0 0.0

.....

PRECIP 0.0 0.0 0.0 0.0

PRECIP 0.0 0.0 0.0 0.0

.....

PRECIP 0.0 0.0 0.0 0.0

PRECIP 0.0 0.0 0.0 0.0

.....

PRECIP 0.0 0.0 0.0 0.0

.....

PRECIP 0.0 0.0 0.0 0.0

PRECIP 0.0 0.0 0.0 0.0

.....

TOTAL 200 0 1420 702 11.1 200

.....

.....

ISMS 33.3 33.3 33.3 33.3

.....

LIQUID 0.0 0.0 0.0 0.0

PRECIP 0.0 0.0 0.0 0.0

.....

PRECIP 0.0 0.0 0.0 0.0

PRECIP 0.0 0.0 0.0 0.0

.....

PRECIP 0.0 0.0 0.0 0.0

PRECIP 0.0 0.0 0.0 0.0

.....

PRECIP 0.0 0.0 0.0 0.0

.....

PRECIP 0.0 0.0 0.0 0.0

PRECIP 0.0 0.0 0.0 0.0

.....

TOTAL 200 0 1532 1542 11.8 200

.....

## POLICY OF OCCURRENCE OF ATMOSPHERIC PHENOMENA

100

PERIOD OF RECORD: JUL 79 - JUL 80

DATE: 12-1-68 HOURS: 11:00

1990 - 1999	1990 - 1999	1990 - 1999	1990 - 1999
13.3	13.3	13.3	13.3

1.1 7.1 15.3 192

• • • • • 15.9 22

11.2 4.2 23.6 +74

17.2	14.7	14.7
------	------	------

10.2 10.7 10.2 10.2 10.2

772	11.1	234	747
-----	------	-----	-----

PRIORITY: LOW            DATES: ALL

..... 0.0 10.0 20.0 30.0

14.1 1.33

100.0

47.1 113

121<sup>F</sup>

1114

1942	1152	2003	0	72.06
------	------	------	---	-------

OPERATING LOCATION WAS ..... PERCENTAGE FREQUENCY OF OCCURRENCE OF ATMOSPHERIC  
 USAFETAC, ASHEVILLE, NC ..... VERSUS WIND DIRECTION - 100% WIND ONLY - STATION

STATION NUMBER: 725085 STATION NAME: PLAS. ARS. NH .....  
 LST TO UTC: + 5 .....  
 MONTH: 1

.....  
 PHENOMENA .....  
 CALM ..... VARIABLE ..... 350 - 029 ..... 029 - 179 ..... 179 - 273 ..... 273 -

.....  
 TSIMS ..... 3.7 ..... 11.1 ..... 37.0 ..... 11.6 ..... 24.0

.....  
 LIQUID ..... 0.7 ..... 53.0 ..... 10.0 ..... 10.0 ..... 0.0  
 PRECIP

.....  
 FREEZING  
 PRECIP

.....  
 FROZEN  
 PRECIP

.....  
 FOG ..... 17.1 ..... 40.0 ..... 22.0 ..... 0.0 ..... 0.0

.....  
 FOG WITH VIS  
 GE 1/2 MILES ..... 16.7 ..... 46.0 ..... 22.0 ..... 0.0 ..... 0.0

.....  
 TOTAL FOG ..... 1132 ..... 0 ..... 1620 ..... 1660 ..... 1660

.....

.....  
 TSIMS ..... 11.6 ..... 15.1 ..... 14.1 ..... 23.0 ..... 11.0

.....  
 LIQUID ..... 0.4 ..... 0.0 ..... 0.0 ..... 0.0 ..... 0.0  
 PRECIP

.....  
 FREEZING  
 PRECIP

.....  
 FROZEN  
 PRECIP

.....  
 FOG ..... 20.6 ..... 35.0 ..... 20.0 ..... 15.0 ..... 0.0

.....  
 FOG WITH VIS  
 GE 1/2 MILES ..... 19.1 ..... 38.0 ..... 11.0 ..... 15.0 ..... 0.0

.....  
 TOTAL FOG ..... 1912 ..... 0 ..... 991 ..... 1452 ..... 1650

.....

VERIFIY OF OCCURRENCE OF ATMOSPHERIC PHENOMENA  
 IN DISTRICT FROM HOURLY OBSERVATIONS

TABLE NO.

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: MAY HOURS: ALL

.....

.....

.....

.....

.....

.....

.....

MONTH: JUN HOURS: ALL

.....

.....

.....

.....

.....

.....



OPERATING LOCATION: WAW 4 PERCENTAGE FREQUENCY OF OCCURRENCE OF METEOROLOGICAL  
 USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION, FROM JULY 1971 TO JULY 1972

STATION NUMBER: 725055 STATION NAME: PEASE AFB GA  
 LST TO UTC: + 5

PHENOMENA CALM VARIABLE 350 - 090 090 - 170 170 - 250 250 - 350

TSMS 11.6 14.3 17.5 11.3 24.7

LIQUID 11.5 33.0 15.1 15.7 11.6  
 PRECIP

FREELING  
 PRECIP

FROZEN  
 PRECIP

FG 17.3 19.3 14.7 11.6 11.6

FG WITH VIS 24.7 17.5 17.3 11.6 11.6  
 GE 1/2 MILES

TOTAL OBS 1253 0 507 151 2047 207

TSMS 1.7 24.5 32.4 27.5 11.6

LIQUID 15.5 42.4 25.7 11.6 11.6  
 PRECIP

FREELING  
 PRECIP

FROZEN  
 PRECIP

FG 22.1 25.5 20.2 23.7 11.6

FG WITH VIS 15.7 26.0 20.3 24.1 11.6  
 GE 1/2 MILES

TOTAL OBS 1300 0 539 1491 1096 1216

INDEX OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
 DIRECTLY FROM DAILY OBSERVATIONS

NO. 100 PERIOD OF RECORD: JUL 77 - JUN 80  
 MONTH: JUL YEARS: ALL

NO.	100 - 179	180 - 259	260 - 339	NO. OF
100	19.5	21.3	23.2	112
101	25.2	15.7	12.8	572

102	14.7	11.5	9.9	1427
103	19.3	20.6	16.1	1156

104	1514	2047	2000	0	7440
-----	------	------	------	---	------

MONTH: AUG YEARS: ALL

105	37.4	37.5	3.7	52
106	25.5	10.2	9.5	535

107	20.2	23.2	11.1	1275
108	25.3	24.1	11.0	1120

109	1491	1895	1914	0	7440
-----	------	------	------	---	------

OPERATING LOCATION: WAM  
USAFETAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF ATMOSPHERIC  
VERSUS WIND DIRECTION FROM 4000LY. (EST. VARIOUS)

STATION NUMBER: 726066

STATION TIME: PLEASE ADVISE

DATE: 10/10/54

LST IN UTC: + 5

TIME: 10:00

PHENOMENA CALM VARIABLE 350 - 079 079 - 179 179 - 269 270 - 359

TSTMS 12.5 50.0 12.5 12.5 12.5

LIQUID 10.2 42.1 13.7 12.2 10.2

PRECIP

FREEZING

PRECIP

FOG

PRECIP

FOG 21.6 30.1 17.7 14.7 14.7

FOG WITH VIS 20.7 32.3 17.9 14.7 14.7

SE 1/2 MILES

TOTAL OBS 1317 0 745 1075 1000 1000

TSTMS 24.6 30.0 7.1 14.7

LIQUID 13.3 39.0 11.7 9.3 1.1

PRECIP

FREEZING

PRECIP

FOG 20.2 24.7 20.3 14.3 14.3

PRECIP

FOG 20.2 24.7 20.3 14.3 14.3

FOG WITH VIS 20.3 27.3 19.2 14.7 14.7

SE 1/2 MILES

TOTAL OBS 1241 0 1000 936 1500 2470

# INDEX OF OCCURRENCES OF ATMOSPHERIC PHENOMENA BASED ON HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
 UNIT: SEC HOURS: ALL

000 - 179	180 - 259	260 - 359	NO OF OBS
13.6	12.5	12.5	24
13.7	12.3	10.5	357

17.7	18.0	5.7	1139
17.9	18.5	5.3	1045

1975	2200	1954	2	7200
------	------	------	---	------

MONTH: OCT HOURS: ALL

10.0	7.1	14.3	14
11.7	9.0	15.4	120

5.5	35.0	20
-----	------	----

20.4	14.3	14.0	1241
14.2	14.2	15.7	1255

135	1530	2473	0	7440
-----	------	------	---	------

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF ATMOSPHERIC  
VERSUS WIND DIRECTION FROM WINDSPEED OBSERVATIONS

STATION NUMBER: 726053

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PERIOD:  
MONTH: 01

.....  
PHENOMENA CALM VARIABLE 350 - 089 090 - 179 180 - 269 270 - 359  
.....  
TOTALS 100.0

LIQUID 7.2 37.4 25.2 12.6 17.6  
PRECIP

FREZZING 1.0 3.7 1.0  
PRECIP

FROZEN 11.7 59.1 1.2 2.0 24.0  
PRECIP

FOG 13.3 29.2 20.3 15.0 14.0

FOG WITH VIS 13.4 30.0 20.3 15.0 14.0  
GE 1/2 MILES

.....  
TOTAL OBS 23 0 1044 723 1713 2107  
.....

.....  
TOTAL: 0

.....  
TOTALS 100.0

LIQUID 12.7 33.3 25.0 11.0 1.0  
PRECIP

FREZZING 31.0 29.0 1.0 31.0  
PRECIP

FROZEN 10.7 39.7 6.5 11.7 32.0  
PRECIP

FOG 30.3 20.6 13.6 15.6 14.0

FOG WITH VIS 29.1 21.7 13.3 15.0 1.0  
GE 1/2 MILES

.....  
TOTAL OBS 1076 0 371 332 1937 3104  
.....

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC  
VERSUS WIND DIRECTION FOR EACH OBSERVATION

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PERIOD OF  
OBSERVATION:

PHENOMENA	CALM	VARIABLE	350 - 020	090 - 170	180 - 350	270 - 350
ISTMS	2.4		22.6	27.1	24.3	14.0
LIQUID PRECIP	2.3		43.5	22.4	11.0	12.7
FREEZING PRECIP	12.5		50.9	4.2	.0	24.0
FROZEN PRECIP	10.2		44.5	7.2	5.4	31.0
FGS	21.1		31.7	20.4	10.1	11.0
FGS WITH VIS GE 1/2 MI AS	13.6		33.2	10.2	14.0	12.0
TOTAL FGS	13024	0	12712	12073	10741	2431

A - 5 - 1

NOY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
 INJECTION FROM HIGHERLY J. SERVATIONS

PERIOD OF RECORD: JUL 74 - JUL 75  
 MONTHS: ALL

000 - 179	180 - 259	260 - 359	360 - 459
27.1	24.3	13.6	25.0
23.4	13.0	13.7	9012
4.0	1.0	24.0	23.0
7.2	5.4	31.5	2205
20.4	19.0	12.2	1343-
20.3	10.1	12.4	12043
12573	10741	25310	87551



00000000	00000000	00000000	00000000	00000000
00	00	AA	AA	TT
00	00	AA	AA	TT
00000000	00000000	AA	AA	TT
00000000	00000000	AA	AA	TT
00	00	AA	AA	TT
00	00	AA	AA	TT
00	00	AA	AA	TT
00	00	AA	AA	TT





01-12-19

## LEUNG, SNOWFALL, SNOW-DEPTH SUMMARIES

1. D. RTD = 24 SUMMARY OF DAY (SOD) DATA.

J. C. Y.

### 1. REPORT TO BE MADE: FREQUENCY OF PRECIPITATION.

DATA IS SUMMARIZED FOR ALL YEARS

INCLUDE- THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS.

100 PERCENT OF DAYS WITH FAIR WEATHER,  
100 PERCENT OF DAYS WITH TRACCS, AND PERCENT

1. SCULIS. SIMARIS ALSO PROVIDED AN OBSERVATION

7. "INDICALS AND/OR OTHER OCCURRENCES THAT, IN AGGREGATE,

1000

1. EARLY PRECIPITATION AND SNOWFALL RESPECTIVELY.

6 MONTHS FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST

1. NAME \_\_\_\_\_

158 (8) INDICATES A VOLTAGE OF APPROXIMATELY 100 VOLTS

1. AN AMERICAN - AN AMERICAN ALSO DENIES A YEAR(S) SINCE WE

4. INCREASE IN MONTHS. INCREASE IN MONTHS/YEARS ARE NOT INCLUDED

DATE: 08-16-79 TIME: 10:00 AM

1. "I have been in the United States for 15 years."

10

1. DAILY REPORTED EVENTS (BY INDIVIDUAL YEAR-

ALL S. S. CARR, N. S. CARR, B. CARR, RESPECTIVELY. THEY ARE

1. DATE 10/10/1964

1. The first of the two is the "General" category, which includes all cases of domestic violence, regardless of the specific circumstances or the severity of the offense. This category is the most common and covers a wide range of incidents, from minor altercations to severe physical assault.

DATA SET 2000A17 - IN 2000, 18% ALSO DENIES A YEAR(S) WITH A

4. INCREASED NUMBER OF COMBUSTION PRODUCTS PRECIPITATED FROM THE

7 - THE PRESIDENT OF THE UNITED STATES OF AMERICA  
8 - FROM THE SECRETARY OF DEFENSE TO THE PRESIDENT

100-443887-1000

1. *Chlorophyll a* (Chl *a*)

THE LAST DAYS OF 1900. THE NEW YEAR.

1. LIST AND LAST NAMES OF ALL SMALL AND MEDIUM  
SIZED BUSINESSES IN THE COMMUNITY FOR THE PAST YEAR

-CONTINUING TO PERIOD OF ACCORD. FOR THIS SUMMARY, IN  
THESE ARE AVERAGE IN 11 MONTH. THERE IS CHANGING

1. FROM 1 AUGUST TO 31 JULY. TABLES COMPARING  
MAY 1968 TO 1969. THE RANGE AND RANGE OF FORM 1

... BY DATE, AND BY DAY. THE FIRST (OR LAST) ENTRY IN

10/10/104 (50 EQUIVALENT) AS FIFTH A PAGE IN A REASONABLE

1961 (1960) snowfall for the year. The first

144. "00" & "10-10" REFLECTS THE FIRST (OR LAST)

.. -INITIALLY, THE 1200 GAT GUNNY COLUMBO TO BE AFS FORM 10/102

1. THE FIRST (OR LAST) RECORD OF SNOW DEPTH. THE LAST

IN LAST QUARTER. THIS SUMMARY IS NOT PROVIDED

JOHN H. GIVENS JR.

NOTE 1. IF THE MINIMUM AMOUNT REPORTED IN THE DAILY DATA  
EXCEEDS IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE  
COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5)  
SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS IN THE STATISTICAL HISTORY SHOW  
AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, THEY  
OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT  
MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE  
ART IS CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARY, THE LAST  
GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRING IN THE  
INCLUDED MAIL.

NOTE 6. SNOW DEPTH REPORTS FILED FOR USAR, NAVY AND CIVIL

AIR FORCE

NAVY AND NATIONAL GUARD

THROUGH 1945: 0000 LST THROUGH 0000 1946:

JAN 1946 TO MAY 1947: 123 LST JUL 1947 TO MAY 1948:

JUN 1947 TO PRESENT: 1000 LST JUL 1947 TO PRESENT:

CONVERSIONS:

- 1 INCH = 25.3999 MILLIMETERS

- 1 MILLIMETER = .03937 INCH

AMOUNT REQUIRED IN THE MONTHLY TOTALS OR DAILY  
THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE

STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE  
ARE AVAILABLE.

ACCOUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES  
TO THE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBS-  
Y MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT  
BEING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS

DAILY AMOUNTS SUMMARIZED, THE LAST ENTRY ON THE PAGE  
GIVES THE PERIOD OF RECORD.

1952, SOWFALL OCCURRENCES IN THE SUMMARY OF DAY

THESE DATA FOR USAR, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

NAVY AND NATIONAL WEATHER SERVICE

0000Z	THROUGH JUL 1952:	0030 GMT
1200Z	JUL 1952 TO MAY 1957:	1230 GMT
1200Z	JUL 1957 TO PRESENT:	1200 GMT

ILLUMINATION

07 1952

OPERATING LOCATION: 1A1  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF 1000- 101 IN PERIOD  
FROM JANUARY TO MAY DATA

STATION NUMBER: 726055

STATION NAME: 2-457 APR 194  
LSI LL UTC: +05

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
NONE	49.2	49.5	48.5	45.1	45.9	47.0	45.3	44.4
TRACE	15.5	15.9	15.1	16.2	15.0	15.3	14.4	13.7
.01	3.2	3.3	3.3	3.5	2.3	2.5	3.0	4.4
.02-.05	7.7	7.4	5.5	5.8	5.0	6.4	5.0	5.1
.06-.10	3.8	4.4	5.3	5.3	4.9	5.7	4.2	4.5
.11-.25	5.4	5.9	5.8	5.1	5.7	5.0	7.1	7.0
.26-.50	6.0	5.5	5.5	7.1	5.1	7.4	3.5	5.0
.51-1.00	4.5	4.4	5.3	3.4	4.2	5.0	4.2	2.1
1.01-2.50	2.9	3.2	2.5	3.4	2.7	1.4	2.5	0.7
2.51-5.00	.3	.0	.1	.3	.2	.1	.1	.0
5.01-10.00								
10.01-20.00								
20.01-27.00								
DAYS WITH MEASUREMENTS	35.2	34.3	35.5	35.7	37.1	35.2	32.4	31.7
TOTAL NO. OF OBSERVATIONS	1025	932	1023	1012	1054	1020	1023	1024

FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
 8.3- SUMMARY OF DAY DATA

TABLE 48

PERIOD OF RECORD: 1894-1996  
 MONTH: ALL YEARS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1.1	48.9	47.0	43.3	54.5	57.7	58.9	47.5	44.8	50.4
1.2	15.7	16.3	14.4	13.7	13.5	12.5	14.4	16.0	15.1
1.3	2.3	2.5	3.5	3.4	2.0	2.6	3.3	2.3	3.0
1.4	1.0	1.2	1.0	1.0	1.9	1.0	1.3	1.9	1.3
1.5	4.9	5.7	4.2	4.5	3.2	2.9	3.5	4.0	4.7
1.6	6.7	5.0	7.1	7.0	4.0	5.5	7.0	7.1	6.5
1.7	5.1	7.4	3.5	4.0	4.2	4.2	7.0	5.7	5.0
1.8	4.2	5.0	4.2	2.3	4.2	4.6	5.2	5.1	4.6
1.9	2.7	1.3	1.5	2.0	2.3	2.5	3.5	3.4	2.5
2.0	.1	.1	.1	.0	.5	.3	.7	.2	.3
					.1				.0

1.7	37.1	33.2	32.4	31.5	26.7	24.5	31.1	31.6	34.0
1.8	1024	1023	1023	1023	990	1023	990	1023	12136

8 - 2 - 1



OPERATING LOCATION: 'A'  
USAFETAC, ASHEVILLE, NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726055

STATION NAME: PLANE AFS 608  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
55				5.53*	5.02	3.33	2.73	1.42
57	2.53	1.13	1.43	2.17	3.01	.82	1.44	1.39
58	12.25	4.02	3.83	4.55	2.33	1.25	4.62	2.29
59	3.02	3.74	4.93	2.96	1.25	5.24	5.03	3.47
60	3.49	5.31	3.07	3.60	5.64	.92	4.77	1.34
61	3.19	4.05	2.89	7.72	2.39	2.57	3.94	1.50
62	2.32	4.35	2.32	3.33	2.73	3.15	2.57	2.72
63	4.31	2.80	3.74	1.52	4.04	1.53	2.52	2.72
64	5.12	3.59	4.41	3.55	1.01	.94	3.15	2.55
65	2.13	5.27	1.75	2.11	1.27	2.97	1.73	2.53
66	3.22	2.72	2.50	1.05	3.43	2.41	3.43	1.75
67	1.52	3.52	2.65	3.55	5.59	4.05	4.15	2.15
68	3.11	1.04	5.75	2.45	4.07	4.39	1.53	1.42
69	3.31	5.47	2.75	2.17	1.22	2.20	4.67	2.59
70	1.52	4.52	4.02	3.85	2.75	2.37	1.32	3.24
71	1.51	3.55	2.35	1.67	3.74	2.21	2.75	2.49
72	1.52	4.35	5.17	3.13	5.15	5.75	3.52	1.11
73	2.05	1.95	3.59	11.11	5.33	2.53	4.37	3.15
74	3.74	2.35	3.41	4.35	4.97	2.13	.72	1.59
75	4.24	3.09	3.45	2.30	1.50	4.05	3.55	7.21
76	3.77	2.77	2.51	2.91	3.49	.54	3.39	4.21
77	4.25	2.72	5.75	3.33	2.52	3.11	1.22	2.22
78	5.57	.67	2.37	3.40	5.55	4.23	1.52	2.15
79	12.11	2.75	3.46	3.73	4.57	1.32	3.22	4.53
80	.99	1.03	5.55	5.02	1.58	4.02	2.51	2.59
81	.83	1.43	1.03	3.04	1.31	3.34	5.55	1.75
82	4.55	2.44	2.35	3.55	2.20	3.40	3.50	1.71
83	4.54	3.37	10.19	7.15	5.94	2.35	4.35	2.71
84	3.02	5.35	3.99	5.57	9.31	2.72	3.55	2.42
85	.5	1.51	3.15	1.34	2.03	2.39	3.31	3.42
86	5.51	1.24	2.24	2.92	1.57	5.54	4.22	2.17
87	5.03	.02	3.74	7.59	1.57	4.31	2.54	1.53
88	1.55	3.54	2.74	3.55	4.93	1.41	7.51	5.57
89	.70	2.33	2.57	3.29	4.17	4.22		

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

- 455 NH

PERIOD OF RECORD: 5504-5906  
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
3.12	3.33	2.70	1.49	3.22	4.09	3.43	4.36	34.39*
3.01	.82	1.44	1.39	1.11	2.77	5.12	3.14	27.67
2.33	1.55	4.43	3.06	5.14	3.35	3.74	1.42	50.73
1.25	6.74	5.08	3.47	1.34	6.41	4.25	6.27	49.44
2.64	.92	4.77	1.34	3.10	2.57	3.11	3.70	45.58
2.97	2.87	3.99	1.30	5.45	2.34	5.00	3.50	46.75
2.73	3.15	2.67	2.74	3.11	12.10	3.43	5.17	48.33
4.04	1.53	2.52	2.52	4.54	1.40	12.35	2.11	43.71
1.01	.94	3.15	2.58	1.25	3.27	4.09	3.35	35.45
1.27	2.07	1.79	2.20	2.37	3.13	2.94	1.72	31.75
3.43	2.41	3.43	1.75	1.41	3.02	3.54	3.19	40.73
6.62	4.04	4.15	2.13	2.53	.97	2.20	5.07	40.03
4.87	4.39	.82	1.42	1.74	2.77	2.45	7.51	47.31
1.29	2.20	4.87	2.30	4.22	1.36	3.13	10.07	42.83
2.75	2.17	1.22	3.24	3.53	4.61	2.55	4.77	40.55
5.74	2.21	2.75	2.49	2.77	3.18	5.01	3.45	38.30
5.15	3.75	3.92	1.11	5.23	4.75	5.45	5.57	37.34
2.33	2.53	4.37	3.15	1.72	2.53	2.70	3.25	52.46
4.07	2.13	.75	1.37	5.23	2.02	3.97	4.27	41.27
1.29	6.05	3.40	7.21	5.32	5.45	5.10	5.03	51.44
3.13	.34	3.39	4.71	2.52	4.74	.34	2.84	35.33
2.52	3.11	1.29	2.22	4.40	7.27	5.34	5.27	50.02
5.55	4.23	1.52	2.15	.13	3.40	2.13	3.52	37.21
4.57	1.59	3.29	4.65	3.19	4.22	3.41	1.30	49.92
1.01	4.02	2.59	2.59	1.59	4.05	3.39	.32	35.27
1.31	3.34	3.35	1.75	3.25	4.35	3.55	4.10	44.11
2.25	3.80	3.50	1.71	2.21	2.12	3.21	.32	35.22
1.44	2.35	4.35	2.71	1.37	3.09	13.71	7.55	55.95
2.31	2.72	3.35	2.42	.42	3.47	3.79	2.55	47.35
2.03	2.50	3.21	3.42	4.25	2.70	5.19	1.42	34.60
1.57	5.54	4.90	2.17	2.12	1.23	5.57	2.35	44.20
1.57	4.21	2.34	1.33	5.91	2.43	3.09	2.40	42.61
4.93	1.61	7.01	5.62	2.85	2.75	5.43	1.25	44.53
4.17	4.22							17.95*

OPERATING LOCATION: 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN  
FROM JANUARY TO DAY DATA

STATION NUMBER: 726055 STATION NAME: PEASE AFB NH  
LST TO UTC: +05

.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG  
.....

.....  
LEAST .64 .92 1.03 1.05 1.31 .84 .97 1.11  
GREATEST 12.29 7.43 10.12 11.11 9.31 6.82 7.71 7.21  
MEAN 3.72 3.34 3.84 3.32 3.62 3.25 3.34 2.79  
MEDIAN 2.11 2.52 3.15 3.57 3.25 3.04 3.33 2.39  
SD 2.775 1.222 1.677 2.107 1.254 1.757 1.511 1.332  
.....  
TOTAL OBS 1023 932 1023 1012 1054 1020 1023 1023  
.....

THE GREATEST VALUE OF 13.71 OCCURRED IN 11/63

NOTE: \*THE VALUE IS BASED IN A MONTH WITH LESS THAN 90% OF THE DATA

3 - 2 - 2

# 1. MONTHLY PRECIPITATION AMOUNTS IN INCHES

2. SUMMARY OF DAY DATA

3. STATION

PERIOD OF RECORD: 5504-4908

MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
-----	-----	-----	-----	-----	-----	-----	-----	--------

1.01	.84	.50	1.11	.12	.27	.24	.53	27.52
2.31	4.89	7.41	7.21	3.10	12.10	13.71	10.23	56.96
3.53	5.25	3.34	2.79	3.44	3.56	5.01	4.13	43.72
7.25	5.04	3.55	2.30	3.11	3.13	3.24	3.75	44.16
1.254	1.754	1.511	1.332	1.222	2.047	2.723	2.345	7.252
1264	1020	1023	1023	990	1023	990	1022	12135

4. RECORD IN 11/63

5. MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: WAFB  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN  
FROM JANUARY TO MAY DATA

STATION NUMBER: 726086

STATION NAME: PEASE AFB NH  
EST TO DTC: +25

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
56				1.508	1.93	1.92	.73	.84
57	.75	.43	.53	1.06	1.36	.35	.64	.37
58	2.35	1.40	1.27	1.32	.53	1.14	1.11	.84
59	1.24	1.06	1.28	.43	.61	.29	2.38	1.66
60	1.39	2.23	.67	.82	2.06	.52	1.92	.61
61	1.57	1.34	.21	1.64	.37	1.35	2.37	.62
62	.70	1.25	1.27	1.07	.96	1.59	.72	1.47
63	1.25	.92	1.43	.50	1.59	.71	1.52	.32
64	1.31	1.32	2.17	.12	.22	.48	.31	1.40
65	1.22	4.11	.45	.71	.35	1.64	.34	.55
66	1.32	1.52	.85	.24	1.75	.52	1.31	1.29
67	.58	1.10	1.32	1.13	1.13	1.54	1.15	.73
68	1.24	.52	2.43	1.32	1.14	1.22	.29	.25
69	1.30	1.34	1.70	.34	.25	.89	1.12	1.06
70	.24	1.25	.24	2.33	1.59	.52	.35	1.31
71	.32	.72	.57	.45	1.13	.94	.54	1.11
72	.34	1.51	1.43	.75	1.10	.77	.77	.25
73	.59	1.32	.24	4.50	1.11	.32	2.81	2.22
74	.57	.94	1.34	1.10	1.03	1.21	.34	.77
75	1.13	1.42	1.17	1.35	.43	1.29	1.24	4.10
76	.55	1.41	.52	1.53	.45	.59	.77	2.55
77	2.37	.45	1.30	1.25	1.52	.42	.93	1.54
78	1.34	.52	1.24	1.32	3.23	2.23	.44	.37
79	2.35	1.39	.78	1.36	1.23	.94	1.74	1.14
80	.15	.65	1.44	1.70	1.29	1.17	1.35	1.02
81	.25	3.35	.41	.77	.31	1.03	1.34	.72
82	1.35	1.21	.61	1.24	.10	3.22	1.35	1.35
83	1.20	1.72	2.51	2.53	1.32	1.13	2.37	1.32
84	1.14	1.11	1.13	2.11	2.11	.38	1.55	.81
85	.17	.42	1.54	.42	.53	.44	1.55	1.44
86	1.24	.34	.52	.92	.55	1.11	1.74	.82
87	1.52	.02	1.55	3.09	1.19	1.37	1.15	.75
88	.37	1.19	.95	1.87	1.72	.51	1.35	1.57
89	.24	1.15	.91	1.92	1.27	1.49		

TIME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

1945-44

PERIOD OF RECORD: 5604-1900  
MIN: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1.03	1.00	.73	.64	.52	2.73	1.02	1.00	2.73*
1.35	.35	.64	.37	.37	1.30	1.04	.75	1.30
.53	1.14	1.11	.34	1.30	1.37	1.51	.55	2.55
.51	.29	2.35	1.55	1.25	1.03	.89	1.51	2.35
2.05	.50	1.92	.61	4.03	1.32	1.27	1.20	4.03
.57	1.35	2.37	.62	2.55	.77	1.10	.27	3.55
.96	1.00	.72	1.47	1.32	6.73	1.42	2.21	6.73
1.50	.71	1.00	.62	1.94	.91	4.02	.65	4.02
.22	.46	.91	1.40	.85	1.11	1.55	.75	2.17
.35	1.44	.54	.52	.77	1.50	1.24	.70	4.11
.75	.52	1.01	1.00	2.65	.90	1.15	1.34	2.65
1.13	1.54	1.15	.73	1.70	.43	.91	1.55	1.70
1.14	1.22	.29	.23	1.10	1.40	2.53	2.05	2.53
.25	.50	1.10	1.05	2.97	.50	1.55	3.05	3.05
1.50	.52	.35	1.31	1.35	2.02	.67	1.45	3.09
1.13	.25	.59	1.11	.21	2.11	1.45	.53	2.11
1.10	.70	.77	.25	3.22	3.23	2.03	1.00	3.23
1.11	.92	2.31	2.20	.35	1.24	.70	2.00	4.50
1.03	1.21	.34	.77	2.33	1.55	1.13	1.00	2.33
.43	1.20	1.04	6.10	1.45	1.09	1.23	1.40	4.10
.55	.50	.77	2.55	.27	1.31	.30	1.14	2.55
1.02	.40	.93	1.34	1.59	1.34	4.10	1.15	4.10
3.23	2.23	.44	.55	.15	.25	.77	1.25	3.53
1.23	.25	1.74	1.14	.90	1.25	1.33	.45	2.50
1.20	1.17	1.05	1.05	.30	1.33	1.67	.24	1.53
.31	1.03	1.53	.70	1.01	.65	.27	1.25	3.55
.50	3.22	1.55	1.35	.51	.29	1.37	.25	3.22
1.32	1.13	2.37	1.32	1.14	.91	3.22	1.70	3.22
2.11	.35	1.55	.81	.44	2.00	2.25	.75	2.25
.53	.44	1.55	1.44	1.55	1.05	2.20	.57	2.50
.45	1.11	2.74	.52	.55	.27	2.95	2.50	2.95
1.10	1.37	1.15	.75	2.59	.90	1.21	.74	3.09
1.70	.51	1.20	1.57	2.13	1.74	2.35	.55	2.35
1.27	1.40							1.40*

OPERATING LOCATION: JSAFFTAG, ASHEVILLE NC

EXTREME DAILY PRECIPITATION RECORDS  
BASED ON MONTHLY AVERAGE DATA

STATION NUMBER: 725055

STATION NAME: WEAST AIR 14

EST. TO DTG: 403

.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG  
.....

.....  
GREATEST 2.26 4.11 2.61 4.50 3.33 3.22 2.41 4.12 ..

.....  
TOTAL DRS 1023 932 1023 1012 1054 1020 1023 1023  
.....

THE GREATEST VALUE OF 6.73 OCCURRED ON 10/16/52

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DAYS

THE DAILY PRECIPITATION VALUES IN INCHES  
 FROM JANUARY 1951 TO 1952

STATION: 100-01-6004-7000  
 MONTH: ALL YEARS: ALL

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	ANNUAL
-----	-----	-----	-----	-----	-----	-----	-----	------	-----	-----	-----	--------

3.13	3.22	2.31	4.12	4.23	5.73	4.12	2.31	5.73
1954	1954	1953	1953	1953	1953	1953	1953	1953

CDL 1-2-54 10/16/52

DATA WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION: 'A'  
USAFAC, 435 VILLAGE

TOTAL MONTHLY INCREASE AMOUNT TO 1.1%  
FROM JANUARY 1970 TO 1971

STATION NUMBER: 728088

STATION NAME: 25 AS  
ST. TO JIC: 400

YEAR	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
51				1.0*	.0	.0	.0	.0
57	24.5	.0	5.0	2.0	.0	.0	.0	.0
58	21.2	23.0	25.0	1.7	.0	.0	.0	.0
59	7.7	12.4	24.0	TRACE	.0	.0	.0	.0
60	12.3	12.1	11.0	TRACE	.0	.0	.0	.0
61	20.0	17.5	18.4	6.0	.0	.0	.0	.0
62	4.7	44.4	10.2	2.0	.0	.0	.0	.0
63	12.0	17.2	17.2	TRACE	TRACE	.0	.0	.0
64	10.0	20.5	9.4	.5	.0	.0	.0	.0
65	1.0	8.2	9.4	.0	.0	.0	.0	.0
66	44.0	10.2	4.4	TRACE	TRACE	.0	.0	.0
67	1.2	43.0	25.0	7.0	TRACE	.0	.0	.0
68	12.0	1.0	13.0	1.0	.0	.0	.0	.0
69	1.0	11.0	0.4	TRACE	.0	.0	.0	.0
70	8.0	11.0	10.0	1.0	.0	.0	.0	.0
71	1.1	10.2	10.7	7.0	.0	.0	.0	.0
72	3.0	40.0	27.0	5.0	.0	.0	.0	.0
73	10.0	5.4	.0	2.1	.0	.0	.0	.0
74	10.0	7.0	2.0	0.2	.0	.0	.0	.0
75	10.0	10.2	7.0	1.3	.0	.0	.0	.0
76	10.0	1.1	30.4	TRACE	.0	.0	.0	.0
77	30.4	0.0	22.1	TRACE	TRACE	.0	.0	.0
78	30.1	10.0	0.0	TRACE	.0	.0	.0	.0
79	10.0	3.7	TRACE	0.4	.0	.0	.0	.0
80	2.1	0.2	0.7	TRACE	.0	.0	.0	.0
81	0.0	0.0	4.0	TRACE	.0	.0	.0	.0
82	11.0	7.0	6.0	24.4	.0	.0	.0	.0
83	10.0	22.0	.0	TRACE	.0	.0	.0	.0
84	27.4	0.7	23.4	TRACE	TRACE	.0	.0	.0
85	12.1	0.4	0.1	1.2	.0	.0	.0	.0
86	0.0	11.0	2.0	TRACE	.0	.0	.0	.0
87	41.4	.0	0.0	0.0	.0	.0	.0	.0
88	13.3	21.5	7.7	TRACE	.0	.0	.0	.0
89	5.1	0.1	0.0	1.7	.0	.0	.0	.0

MAX MINUTELY SNOWFALL AMOUNTS IN INCHES  
 FROM SUMMARY OF DAY DATA

STATION

PERIOD OF RECORD: 5504-1996  
 MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.0	.0	.0	.0	.0	.0	2.7	29.2	33.3*
.0	.0	.0	.0	.0	.0	TRACE	2.1	34.3
.0	.0	.0	.0	.0	.0	TRACE	10.3	94.1
.0	.0	.0	.0	.0	.0	3.3	23.1	58.4
.0	.0	.0	.0	.0	.0	.0	21.7	67.0
.0	.0	.0	.0	.0	.1	7.9	29.1	104.1
.0	.0	.0	.0	.0	2.0	1.2	7.4	71.0
TRACE	.0	.0	.0	.0	TRACE	4.2	17.7	57.6
.0	.0	.0	.0	.0	.0	TRACE	1.7	64.3
.0	.0	.0	.0	.0	TRACE	.5	3.7	33.2
TRACE	.0	.0	.0	.0	.0	TRACE	13.1	77.0
TRACE	.0	.0	.0	.0	.0	3.3	19.7	100.7
.0	.0	.0	.0	.0	.0	2.2	15.3	53.1
.0	.0	.0	.0	.0	1.0	TRACE	2.0	105.2
.0	.0	.0	.0	.0	TRACE	.0	34.6	77.3
.0	.0	.0	.0	.0	.0	13.7	21.5	92.4
.0	.0	.0	.0	.0	TRACE	4.0	26.1	118.2
.0	.0	.0	.0	.0	.0	TRACE	10.3	25.7
.0	.0	.0	.0	.0	.0	6.3	12.7	58.5
.0	.0	.0	.0	.0	.0	4.5	23.0	77.0
.0	.0	.0	.0	.0	.0	2.3	14.4	55.0
TRACE	.0	.0	.0	.0	.0	1.3	21.0	60.0
.0	.0	.0	.0	.0	.0	6.4	12.7	79.0
.0	.0	.0	.0	.0	.0	TRACE	2.2	30.7
.0	.0	.0	.0	.0	.0	0.3	0.2	35.7
.0	.0	.0	.0	.0	.0	TRACE	20.7	43.0
.0	.0	.0	.0	.0	.0	.7	4.0	62.0
.0	.0	.0	.0	.0	.0	TRACE	17.3	68.2
TRACE	.0	.0	.0	.0	.0	TRACE	6.4	59.0
.0	.0	.0	.0	.0	.0	4.3	7.4	41.5
.0	.0	.0	.0	.0	.0	2.1	3.0	36.0
.0	.0	.0	.0	.0	.0	4.4	6.5	64.3
.0	.0	.0	.0	.0	TRACE	.0	1.9	43.2
.0	.0							20.1*

OPERATING LOCATION: LA  
USAFETAC, ASHTVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF ONE INCHAL  
FROM JANUARY TO MAY DATA

STATION NUMBER: 720085

STATION NAME: PEASE AFB NH

EST TO NTC: +05

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
NONE	98.9	91.4	88.5	86.8	99.1	100.0	100.0	100.0
TRACE	17.4	16.0	13.5	8.8	.2			
0.1-0.4	7.6	7.2	6.3	1.6				
0.5-1.4	1.3	4.9	8.6	7.6				
1.5-2.4	3.7	3.2	1.7	1.1				
2.5-3.4	2.9	1.6	2.1	.7				
3.5-4.4	1.4	1.2	.9					
4.5-5.4	1.6	1.3	1.1	.2				
6.5-10.4	1.7	1.0	.3	.2				
10.5-15.4	.4	1.2	.5					
15.5-25.4	.3	.3		.1				
25.5-50.4								
OVER 50.4								

DAYS WITH  
MEAS. AMTS

TOTAL NO. OF  
OBSERVATIONS

	93.7	22.6	17.9	4.1				
	1023	932	1023	1012	1004	1020	1023	1023

TABLE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FOR SUMMARY OF DAY DATA

• • • • •

PERIOD OF RECORD: 1934-1993

15

ALL: ALL: ALL

[illegible]

*Journal of Management Studies*, 1986, 23(1), 7-11

1912	1914	1919	1924	1925	995	1923	999	1923	19136
------	------	------	------	------	-----	------	-----	------	-------

OPERATING LOCATION: AA  
USAFSTAG, ASHVILLE NC

TOTAL MONTHLY SNOWFALL AND HRS IN INC  
- 20" MINIMUM OF DAY DATA

STATION NUMBER: 705055

STATION NAME: PEACE AFB TX  
ELEV TO JTC: +05

.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG  
.....

.....  
LEAST 1.2 .2 TRACE .2 .2 .2 .2 .2  
GREATEST 40.5 41.2 30.4 24.4 TRACE .2 .2 .2  
MEAN 17.5 15.2 11.5 2.5 TRACE .2 .2 .2  
MEDIAN 15.2 12.1 9.1 .5 .5 .2 .2 .2  
SD 11.414 14.251 8.424 4.722 .000 .000 .000 .000  
.....  
TOTAL OBS 1023 932 1023 1012 1054 1020 1024 1023  
.....

THE GREAT ST VALUE OF 41.2 OCCURRED ON 02/89

NOTE: WIND VALUE IS BASED ON A MONTH WITH LESS THAN 20% OF THE DAY

- 3 -

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

NO. 485 44

PERIOD OF RECORD: 5524-5806

MINUTE: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
-----	-----	-----	-----	-----	-----	-----	-----	--------

.0	.0	.0	.0	.0	.0	.0	1.0	23.7
TRACE	.0	.0	.0	.0	2.0	12.2	31.4	113.2
TRACE	.0	.0	.0	.0	.1	3.1	14.3	46.5
.0	.0	.0	.0	.0	.3	1.3	14.4	95.2
.000	.000	.000	.000	.000	.431	3.653	10.022	23.544
1554	1020	1013	1023	930	1023	990	1022	12136

RECORDING ON 02/55

MIN WITH LESS THAN 20% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: 1A1  
USAFETAC, ASHEVILLE, NC

EXTREME DAILY SNOWBALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726054 STATION NAME: GRACE AFB TX  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
55				1.0*	.0	.0	.0	.0
57	7.5	.3	2.7	2.5	.0	.0	.0	.0
58	3.0	10.5	2.7	1.3	.0	.0	.0	.0
59	4.1	4.1	11.3	TRACE	.0	.0	.0	.0
60	11.5	5.1	2.1	TRACE	.0	.0	.0	.0
61	17.0	13.0	3.0	2.2	.0	.0	.0	.0
62	3.1	13.2	3.2	1.1	.0	.0	.0	.0
63	5.2	7.0	4.1	TRACE	TRACE	.0	.0	.0
64	2.5	7.5	7.1	.2	.0	.0	.0	.0
65	0.0	3.5	3.0	.3	.0	.0	.0	.0
66	14.4	12.0	3.0	TRACE	TRACE	.0	.0	.0
67	.4	14.1	13.1	4.7	TRACE	.0	.0	.0
68	7.5	3.2	4.3	.2	.0	.0	.0	.0
69	3.1	23.4	5.7	TRACE	.0	.0	.0	.0
70	1.2	4.5	4.2	1.3	.0	.0	.0	.0
71	4.2	4.7	3.1	3.4	.0	.0	.0	.0
72	3.2	17.3	13.3	1.0	.0	.0	.0	.0
73	3.1	3.6	.1	1.2	.0	.0	.0	.0
74	7.7	5.5	1.4	7.2	.0	.0	.0	.0
75	7.5	5.2	3.1	.5	.0	.0	.0	.0
76	3.7	2.7	12.3	TRACE	.0	.0	.0	.0
77	15.3	4.1	11.1	TRACE	TRACE	.0	.0	.0
78	14.3	12.3	5.7	TRACE	.0	.0	.0	.0
79	5.1	2.2	TRACE	2.3	.0	.0	.0	.0
80	2.1	5.9	5.3	TRACE	.0	.0	.0	.0
81	2.0	3.1	1.3	TRACE	.0	.0	.0	.0
82	6.5	4.0	1.9	15.3	.0	.0	.0	.0
83	3.1	15.5	.3	TRACE	.0	.0	.0	.0
84	3.0	1.9	9.3	TRACE	TRACE	.0	.0	.0
85	3.5	3.2	5.1	1.2	.0	.0	.0	.0
86	5.0	3.0	1.1	TRACE	.0	.0	.0	.0
87	17.1	.2	1.7	4.5	.0	.0	.0	.0
88	4.1	11.3	5.4	TRACE	.0	.0	.0	.0
89	2.2	5.5	3.5	1.7	.0	.0		

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NO

PERIOD OF RECORD: 5604-8006

MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.0	.0	.0	.0	.0	.0	2.7	10.0	10.3*
.0	.0	.0	.0	.0	.0	TRACE	.0	7.5
.0	.0	.0	.0	.0	.0	TRACE	5.5	10.5
.0	.0	.0	.0	.0	.0	3.8	12.6	12.6
.1	.0	.0	.0	.0	.0	.0	15.5	15.5
.0	.0	.0	.0	.0	.1	5.5	15.1	17.5
.0	.0	.1	.0	.0	2.6	.6	5.6	13.2
TRACE	.0	.0	.0	.0	TRACE	3.7	5.1	5.2
.5	.1	.6	.0	.0	.0	TRACE	8.2	9.6
.0	.0	.0	.0	.0	TRACE	.4	1.5	4.0
TRACE	.0	.0	.0	.0	.0	TRACE	5.0	14.4
TRACE	.0	.0	.0	.0	.0	3.0	2.0	14.1
.0	.0	.0	.0	.0	.0	2.7	5.4	7.0
.7	.0	.0	.0	.0	1.1	TRACE	12.3	20.4
.0	.0	.0	.0	.0	TRACE	.0	10.0	10.0
.0	.0	.0	.0	.0	.0	3.9	5.2	9.0
.0	.0	.0	.0	.0	TRACE	5.0	7.2	17.5
.0	.0	.0	.0	.0	.0	TRACE	3.7	3.1
.0	.0	.0	.0	.0	.0	2.5	7.1	7.7
.0	.0	.0	.0	.0	.0	4.5	5.5	7.4
.0	.0	.0	.0	.0	.0	2.4	5.1	12.3
TRACE	.0	.0	.0	.0	.0	1.2	2.2	15.0
.2	.0	.0	.0	.0	.0	3.4	5.7	14.5
.0	.0	.0	.0	.0	.0	TRACE	2.2	3.1
.0	.0	.0	.0	.0	.0	3.8	4.7	9.6
.0	.0	.0	.0	.0	.0	TRACE	5.1	3.5
.0	.0	.0	.0	.0	.0	.6	1.5	15.3
.0	.0	.0	.0	.0	.0	TRACE	7.4	15.5
TRACE	.0	.0	.0	.0	.0	TRACE	2.2	9.3
.0	.0	.0	.0	.0	.0	2.0	1.1	5.1
.0	.0	.0	.0	.0	.0	3.4	2.6	6.0
.0	.0	.0	.0	.0	.0	2.0	2.6	17.1
.0	.0	.0	.0	.0	TRACE	.0	1.3	11.3
.0	.0							5.5*



OPERATING LOCATION: 'A'  
USAFELIAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726056

STATION NAME: PEASE AFB NH  
1ST TO UTC: +05

.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG  
.....

.....  
GREATEST 17.5 20.4 13.3 12.3 TRACE .0 .0 .0  
.....

.....  
TOTAL DYS 1023 932 1023 1012 1004 1020 1023 1023  
.....

THE GREATEST VALUE OF 20.4 OCCURRED ON 02/25/62

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 20% OF THE DAY

# EXTREME DAILY SNOWFALL READINGS IN INCHES

— SUMMARY OF DAY DATA —

STATION

PERIOD OF RECORD: 5504--400

MONTH: ALL HOURS: ALL

..... MAY ..... JUN ..... JUL ..... AUG ..... SEP ..... OCT ..... NOV ..... DEC ..... ANNUAL .....

..... INCHES ..... .2 ..... .0 ..... .0 ..... .0 ..... 2.0 ..... 3.3 ..... 16.7 ..... 20.4 .....

..... 1954 ..... 1920 ..... 1923 ..... 1923 ..... 990 ..... 1925 ..... 999 ..... 1923 ..... 12135 .....

RECORDED ON 12/25/59

NOTE WITH LESS THAN 10% OF THE DATA AVAILABLE FOR THE MONTH

8 - 3 - 30

OPERATING LOCATION: A1  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SQUALLS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725055

STATION NAME: PEASE AFS NC

LSI TO UTC: +05

AMOUNTS (INCHES) JAN FEB MAR APR MAY JUN JUL AUG

None 13.6 15.1 44.9 94.1 100.0 100.0 100.0 100.0

TRACE 4.8 10.8 14.0 1.9

1 9.9 10.7 7.5 1.4

2 11.1 7.9 5.0 .9

3 11.3 5.5 4.6 .5

4-6 15.4 19.5 10.5 .7

7-12 19.4 15.9 9.0 .2

13-24 9.1 12.3 2.4 .4

25-36 .7 .9 1.0

37-48 .2 .1

49-50

51-120

OVER 120

DAYS WITH

MEAS AMTS 77.6 73.1 41.2 4.1

TOTAL NO. OF

OBSERVATIONS 1023 932 1022 1012 1054 1020 1022 1023

2  
J

FREQUENCY OF OCCURRENCE OF SLIM DEPTH IN INCHES.  
FROM SUMMARY OF DAY DATA

STATION: PERIOD OF RECORD: 5624-5906  
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
.1	100.0	100.0	100.0	100.0	100.0	79.6	70.1	45.1	75.7
.3						.2	3.3	7.3	4.0
.5						.1	1.5	11.3	3.5
.7						.1	.9	7.0	2.9
.9							1.2	5.2	2.3
.7							1.6	12.0	4.9
.2							.5	8.1	4.4
.4								1.7	2.1
								.1	.2
									.0

.1						.2	5.1	45.7	25.3
.2	1014	1022	1023	1023	993	1023	999	1023	12136

6

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY DEPTH DEBITS IN 1  
FRESH SUMMARY OF DAILY DATA

STATION NUMBER: 726055

STATION NAME: PEASE AFB NC

EST TO JIC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
55				3*	0	0	0	0
57	21	5	3	3	0	0	0	0
58	17	17	11	1	0	0	0	0
59	4	5	15	0	0	0	0	0
60	14	10	12	0	0	0	0	0
61	19	21	11	4	0	0	0	0
62	9	19	10	1	0	0	0	0
63	4	14	17	0	0	0	0	0
64	12	13	3	0	0	0	0	0
65	3	5	3	0	0	0	0	0
66	31	30	4	0	0	0	0	0
67	5	13	20	0	0	0	0	0
68	25	3	1	0	0	0	0	0
69	11	30	23	0	0	0	0	0
70	4	0	5	1	0	0	0	0
71	1	12	15	4	0	0	0	0
72	7	30	15	3	0	0	0	0
73	0	7	TRACE	0	0	0	0	0
74	11	0	1	5	0	0	0	0
75	4	10	3	1	0	0	0	0
76	14	2	10	0	0	0	0	0
77	15	15	11	TRACE	0	0	0	0
78	14	21	15	0	0	0	0	0
79	11	0	2	0	0	0	0	0
80	2	7	0	0	0	0	0	0
81	4	3	3	0	0	0	0	0
82	15	7	0	21	0	0	0	0
83	15	20	3	0	0	0	0	0
84	13	0	14	4	0	0	0	0
85	5	5	7	2	0	0	0	0
86	5	5	0	0	0	0	0	0
87	22	23	15	0	0	0	0	0
88	10	12	5	0	0	0	0	0
89	TRACE	5	4	1	0	0	0	0

GROUND DAILY SOIL DEPTH MEASUREMENTS IN INCHES  
 FROM SUMMARY 5 DAY DATA

STATION: 6604-227 PERIOD OF RECORD: 5604-227  
 MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0	0	0	0	0	0	3	11	11*
0	0	0	0	0	0	0	1	21
0	0	0	0	0	0	TRACE	7	12
0	0	0	0	0	0	4	12	16
0	0	0	0	0	0	0	15	16
0	0	0	0	0	0	7	15	23
0	0	0	0	0	0	1	5	19
0	0	0	0	0	0	4	5	16
0	0	0	0	0	0	0	7	12
0	0	0	0	0	0	0	3	3
0	0	0	0	0	0	0	0	30
0	0	0	0	0	0	3	13	20
0	0	0	0	0	0	0	0	25
0	0	0	0	0	2	0	0	20
0	0	0	0	0	0	0	24	24
0	0	0	0	0	0	0	0	13
0	0	0	0	0	0	7	15	30
0	0	0	0	0	0	0	4	15
0	0	0	0	0	0	4	7	11
0	0	0	0	0	0	0	12	12
0	0	0	0	0	0	1	0	14
0	0	0	0	0	0	1	12	13
0	0	0	0	0	0	4	0	24
0	0	0	0	0	TRACE	0	0	11
0	0	0	0	0	0	0	4	0
0	0	0	0	0	0	TRACE	0	0
0	0	0	0	0	0	TRACE	1	21
0	0	0	0	0	0	0	7	20
0	0	0	0	0	0	0	2	14
0	0	0	0	0	0	4	4	0
0	0	0	0	0	0	5	4	0
0	0	0	0	0	0	2	2	23
0	0	0	0	0	0	0	1	12
0	0	0	0	0	0	0	0	5*

OPERATING LOCATION: AS  
USAF TAC, ACHVILLE, NC

EXTREME DAILY SURF DEPTH MEASUREMENTS IN  
FROM SURFACE TO DEPTH

STATION NUMBER: 75005

STATION NAME: DEASE, ACHVILLE

ST ID NO: 405

.....  
YEAR: JAN FEB MAR APR MAY JUN JUL AUG  
.....

.....  
DATE: 1950 1951 1952 1953 1954 1955 1956 1957 1958

.....  
TIME: 1 2 3 4 5 6 7 8 9 10 11 12  
.....

REMARKS: SURF DEPTH MEASUREMENTS

NOTE: SURF DEPTH IS MEASURED IN FEET





OPERATING LOCATION: JSAFETAG, ASHTVILL, TN

FIRST AND LAST DAYS OF RECORD: 1954 - 1975  
 50 INCHES OF SNOW DATA

STATION NUMBER: 725055

STATION NAME: PLEASE ASK NO

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL
55 - 56	APR 09	APR 23	APR 29	APR 29
56 - 57	MAY 18	MAY 18	MAY 18	MAY 02
57 - 58	MAY 25	MAY 11	MAY 11	MAY 11
58 - 59	MAY 02	MAY 03	MAY 04	MAY 11
59 - 60	MAY 17	MAY 22	MAY 22	MAY 11
60 - 61	MAY 01	MAY 12	MAY 12	MAY 12
61 - 62	MAY 18	MAY 18	MAY 21	MAY 17
62 - 63	MAY 24	MAY 26	MAY 19	MAY 11
63 - 64	MAY 30	MAY 14	MAY 14	MAY 24
64 - 65	MAY 18	MAY 22	MAY 24	MAY 11
65 - 66	MAY 28	MAY 21	MAY 13	MAY 17
66 - 67	MAY 08	MAY 02	MAY 14	MAY 24
67 - 68	MAY 07	MAY 15	MAY 15	MAY 24
68 - 69	MAY 10	MAY 10	MAY 17	MAY 11
69 - 70	MAY 22	MAY 22	MAY 23	MAY 24
70 - 71	MAY 17	MAY 23	MAY 24	MAY 17
71 - 72	MAY 07	MAY 11	MAY 22	MAY 24
72 - 73	MAY 19	MAY 14	MAY 18	MAY 11
73 - 74	MAY 01	MAY 09	MAY 17	MAY 24
74 - 75	MAY 17	MAY 21	MAY 24	MAY 11
75 - 76	MAY 14	MAY 24	MAY 24	MAY 11
76 - 77	MAY 08	MAY 10	MAY 11	MAY 17
77 - 78	MAY 20	MAY 21	MAY 22	MAY 17
78 - 79	MAY 24	MAY 21	MAY 21	MAY 17
79 - 80	MAY 10	MAY 15	MAY 19	MAY 11
80 - 81	MAY 07	MAY 18	MAY 19	MAY 11
81 - 82	MAY 07	MAY 08	MAY 08	MAY 11
82 - 83	MAY 24	MAY 24	MAY 11	MAY 24
83 - 84	MAY 10	MAY 02	MAY 03	MAY 11
84 - 85	MAY 13	MAY 13	MAY 13	MAY 11
85 - 86	MAY 11	MAY 13	MAY 14	MAY 11

AND LAST DAYS OF OCCURRENCE BY SEASON-YEAR  
 -SUMMARY OF DAY DATA-

STATION

PERIOD OF RECORD: 1904-1909  
 SEASON-YEAR: 1 JUL - 31 JUL

.....  
 FIRST LAST LAST LAST  
 MEASURABLE SNOWFALL MEASURABLE MEASURABLE  
 SNOW DEPTH SNOWFALL SNOW DEPTH  
 .....  
 .....

APR 20	APR 23	APR 23	APR 13
JUL 18	APR 20	APR 27	APR 19
JUL 19	JUL 20	APR 12	APR 17
JUL 14	APR 21	APR 27	APR 20
JUL 22	APR 11	APR 26	APR 20
JUL 11	APR 19	APR 14	APR 16
JUL 21	APR 17	APR 15	APR 16
JUL 19	JUL 11	APR 21	APR 24
JUL 16	APR 20	APR 24	APR 17
JUL 18	APR 18	APR 13	APR 20
JUL 15	JUL 10	APR 13	APR 17
JUL 14	JUL 26	APR 24	APR 15
JUL 15	APR 24	APR 11	APR 16
JUL 17	APR 25	APR 21	APR 17
JUL 13	APR 22	APR 22	APR 21
JUL 20	APR 17	APR 16	APR 17
JUL 22	APR 21	APR 22	APR 27
JUL 17	APR 11	APR 11	APR 26
JUL 17	APR 25	APR 19	APR 11
JUL 20	APR 22	APR 27	APR 20
JUL 12	APR 20	APR 19	APR 21
JUL 11	APR 18	APR 23	APR 27
JUL 22	APR 17	APR 26	APR 27
JUL 11	APR 19	APR 22	APR 15
JUL 22	APR 20	APR 14	APR 17
JUL 19	APR 25	APR 21	APR 21
JUL 11	APR 18	APR 12	APR 14
JUL 11	APR 20	APR 15	APR 26
JUL 22	APR 14	APR 10	APR 22
JUL 11	APR 12	APR 21	APR 22
JUL 22	APR 17	APR 12	APR 11

OPERATING LOCATION: 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY DATE  
FROM SUMMARY REPORT DATA

STATION NUMBER: 725058

STATION NAME: PHASE AREA NG

	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL
SNOW-YEAR				
86 - 87	NOV 06	NOV 11	NOV 17	NOV 20
87 - 88	NOV 06	NOV 10	NOV 11	NOV 20
88 - 89	NOV 06	NOV 20	NOV 24	NOV 27

MEDIAN DATE

NOV 07

NOV 21

NOV 21

NOV 21

AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

TO AREA 4

PERIOD OF RECORD: 1904-1905  
SNOW-YEAR: 1 AUG - 31 JUL

FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
-----------------------------------	------------------	--------------------------------	----------------------------------

NOV 12	APR 29	APR 29	APR 29
NOV 11	APR 20	MAR 20	MAR 07
NOV 04	APR 17	APR 08	APR 06

NOV 02	APR 11	APR 03	APR 01
--------	--------	--------	--------

00000000	AAAAAA	00000000	TTTTTTTT
00000000	AAAAAA111	00000000	TTTTTTTT
00 00	AA 11	00 00	TT
00 00	AA 11	00 00	TT
00000000	AA 11	00000000	TT
00000000	1111111111	00000000	TT
00	AAAAAA1111	00 00	TT
00	AA 11	00 00	TT
00	AA 11	00 00	TT
00	AA 11	00 00	TT

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK
10/1/78	1000.00	1000.00		
10/2/78	500.00	500.00		
10/3/78	250.00	250.00		
10/4/78	100.00	100.00		
10/5/78	75.00	75.00		
10/6/78	50.00	50.00		
10/7/78	25.00	25.00		
10/8/78	10.00	10.00		
10/9/78	5.00	5.00		
10/10/78	2.50	2.50		
10/11/78	1.25	1.25		
10/12/78	0.62	0.62		
10/13/78	0.31	0.31		
10/14/78	0.16	0.16		
10/15/78	0.08	0.08		
10/16/78	0.04	0.04		
10/17/78	0.02	0.02		
10/18/78	0.01	0.01		
10/19/78	0.00	0.00		
10/20/78	0.00	0.00		
10/21/78	0.00	0.00		
10/22/78	0.00	0.00		
10/23/78	0.00	0.00		
10/24/78	0.00	0.00		
10/25/78	0.00	0.00		
10/26/78	0.00	0.00		
10/27/78	0.00	0.00		
10/28/78	0.00	0.00		
10/29/78	0.00	0.00		
10/30/78	0.00	0.00		
10/31/78	0.00	0.00		



2

,



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SURFACE WIND DATA

STATION NUMBER: 72-065 STATION NAME: PEASE AFB IN  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
56								
57	W 40	W 32	N 35	W 35	W 41	W 35	W 32	W 32
58	N *42	*	*	*	*	*	*	*37
59	W 41	W 34	W 41	W 34	W 28	W 31	W 22	W 33
60	W 37	W 44	NE 35	W 35	W 25	W 38	W 29	W 23
61	W 34	N 35	W 32	W 35	W 32	W 32	W 21	W 23
62	W 42	N 35	W 42	W 44	W 47	W 32	W 32	W 34
63	W 42	W 35	W 32	W 35	W 32	W 22	W 32	W 31
64	W 42	W 45	W 45	W 35	W 43	W 32	W 32	W 31
65	W 35	W 45	W 42	W 21	W 35	W 37	W 44	W 40
66	W 35	W 37	W 44	W 33	W 32	W 40	W 32	W 27
67	W 40	W 45	W 33	W 47	W 47	W 32	W 32	W 35
68	W 45	W 42	W 32	W 42	W 35	W 22	W 22	W 22
69	W 32	W 37	W 41	W 47	W 32	W 22	W 32	W 32
70	W 32	W 32	W 35	W 32	W 32	W 22	W 32	W 32
71	W 44	W 40	W 45	W 30	W 34	W 47	W 44	W 32
72	W 32	W 33	W 33	W 33	W 32	W 32	W 32	W 32
73	W 42	W 42	W 32	W 32	W 32	W 27	W 32	W 32
74	W 35	W 44	W 43	W 43	W 40	W 22	W 22	W 22
75	W 42	W 45	W 41	W 43	W 32	W 41	W 32	W 32
76	W 42	W 42	W 42	W 35	W 45	W 32	W 32	W 32
77	W 32	W 32	W 32	W 40	W 41	W 32	W 32	W 32
78	W 22	W 45	W 45	W 45	W 32	W 32	W 32	W 32
79	W 32	W 44	W 32	W 45	W 32	W 32	W 32	W 32
80	W 45	W 32	W 45	W 35	W 34	W 34	W 32	W 32
81	W 25	W 42	W 41	W 34	W 30	W 32	W 32	W 32
82	W 32	W 35	W 33	W 32	W 21	W 32	W 32	W 32
83	W 32	W 37	W 32	W 32	W 25	W 32	W 32	W 32
84	W 32	W 37	W 44	W 37	W 32	W 32	W 32	W 32
85	W 45	W 44	W 37	W 35	W 34	W 32	W 32	W 32
86	W 32	W 25	W 32	W 35	W 32	W 32	W 32	W 32
87	W 40	W 32	W 32	W 32	W 32	W 32	W 32	W 32
88	W 32	W 32	W 44	W 34	W 32	W 32	W 32	W 32
89	W 45	W 45	W 45	W 32	W 32	W 32	W 32	W 32

PEAK SURFACE WINDS IN KNOTS  
 MONTH SUMMARY OF DAY DATA

AREA: 14

PERIOD OF RECORD: 1960-1969

MONTH: ALL STATIONS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1	34	29	32	23	33	26	44	*44
2	31	27	33	25	31	35	43	43
3	31	27	33	25	31	35	43	*42
4	31	27	33	25	31	35	43	43
5	31	27	33	25	31	35	43	55
6	31	27	33	25	31	35	43	*34
7	31	27	33	25	31	35	43	*33
8	31	27	33	25	31	35	43	*33
9	31	27	33	25	31	35	43	*33
10	31	27	33	25	31	35	43	*33
11	31	27	33	25	31	35	43	*33
12	31	27	33	25	31	35	43	*33
13	31	27	33	25	31	35	43	*33
14	31	27	33	25	31	35	43	*33
15	31	27	33	25	31	35	43	*33
16	31	27	33	25	31	35	43	*33
17	31	27	33	25	31	35	43	*33
18	31	27	33	25	31	35	43	*33
19	31	27	33	25	31	35	43	*33
20	31	27	33	25	31	35	43	*33
21	31	27	33	25	31	35	43	*33
22	31	27	33	25	31	35	43	*33
23	31	27	33	25	31	35	43	*33
24	31	27	33	25	31	35	43	*33
25	31	27	33	25	31	35	43	*33
26	31	27	33	25	31	35	43	*33
27	31	27	33	25	31	35	43	*33
28	31	27	33	25	31	35	43	*33
29	31	27	33	25	31	35	43	*33
30	31	27	33	25	31	35	43	*33
31	31	27	33	25	31	35	43	*33

OPERATING LOCATION 'A'  
USAFETAG, ASHEVILLE NC

PEAR SURFACE WIND IN KNOTS  
PERIOD SUMMARY 17 MAY 1964

STATION NUMBER: 725055

STATION NAME: PEASE ARB  
EST TO HIC: +05

.....  
YEAR JAN FEB MAR APR MAY JUN JUL  
.....

.....  
GREATEST 1 / 5- 3 / 57 25 / 12 15 / 41 27 / 82 11 / 87 10 / 107 10 / 107

.....  
TOTAL 1 1041 947 976 941 927 916 947  
.....

10 MAX WIND 15 60 54 63 60 60 60 60

NOTE: REF VALUE IS 100 IN A CONTINUED TO 1000 AND 10000  
REF VALUE IS 100 IN A CONTINUED TO 1000 AND 10000

1 - 1 - 1

TOTAL SUPPLY ALL WILDS IN KNOTS

### 1.1.1 SUMMARY OF KEY DATA

Age Group	Percentage of Respondents
18-29	65%
30-49	75%
50-69	80%
70+	85%

DECLASSIFICATION AUTHORITY: 25X0000-1000

REF: 41-1125: 41

44	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
----	-----	-----	-----	-----	-----	-----	-----	-----

J.J. v.

J. H.

۷۷۲

50

321

10

100

A. S.

1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808

100

•

...

• ? •

1. 2.

10

1.

1. 2. 3. 4.

11/11/12

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

100

OPERATING EXPENSES  
 ISAF-1AC, AFRICA

PERCENTAGE OF TOTAL OPERATING EXPENSES  
 1954-1955

STATEMENT OF : 1954-1955 STATEMENT OF : 1955-1956

PERCENTAGE OF TOTAL

1954-1955 1955-1956

MONTH	1954-55	5-5	10-14	15-19	20-24	25-29	30-34	35-39
JAN	1.0	7.0	21.0	14.0	20.0	10.0	5.0	4.0
FEB	1.1	6.0	19.0	15.0	20.0	10.0	4.0	4.0
MAR	1.0	7.0	19.1	20.0	21.0	10.0	20.0	4.0
APR	1.0	1.0	14.0	21.0	20.0	10.0	5.0	4.0
MAY	1.0	1.0	13.0	30.0	10.0	10.0	2.1	5.0
JUN	1.0	6.0	10.0	34.0	10.0	10.0	1.0	1.0
JUL	1.0	6.0	30.1	31.0	10.0	4.0	1.0	1.0
AUG	1.0	6.0	40.0	30.0	10.0	10.0	1.0	1.0
SEP	1.1	6.0	30.0	31.0	10.0	10.0	1.1	1.0
OCT	1.1	7.0	27.0	27.0	10.0	10.0	5.0	1.0
NOV	1.1	7.0	13.0	22.0	20.0	10.0	1.0	1.0
DEC	1.1	6.0	21.0	10.0	10.0	10.0	1.0	1.0
ANNUAL	1.0	5.1	20.7	17.1	20.1	11.1	1.0	1.0

ANNUAL REPORT OF THE BOARD OF DIRECTORS  
FOR THE YEAR 1954

FINANCIAL STATEMENTS  
BALANCE SHEET ALL INFORMATION ALL

INCOME STATEMENT							BALANCE SHEET		TOTAL
1954	1953	1952	1951	1950	1949	1948	1954	1953	1952
10.7	10.0	7.5	4.7	3.0	.7	.0	2.4	2.4	10.7
10.1	10.7	1.1	4.3	10.0	7.5	.0	11.7	2.4	17
1.7	10.0	1.1	4.7	3.0	.1	.0	11.7	1.1	17.5
.0	1.1	.0	4.0	1.1	.0	.0	11.7	1.1	19.1
1.1	1.1	1.1	1.1	1.1	1.1	.0	11.7	1.1	19.1
1.1	.0	1.1	1.1	.0	.0	.0	11.7	11.7	12.1
.0	.0	1.1	.0	.0	.1	.0	11.7	1.1	11.0
10.1	.0	1.1	.0	.0	.1	.0	11.7	11.1	19.1
10.0	1.7	.1	.0	.0	.1	.0	11.1	1.1	1.1
1.1	1.1	.0	1.7	.0	.0	.0	1.1	11.0	17.4
1.1	1.1	1.1	1.1	1.1	.1	.0	1.1	1.1	1.1
.0	1.1	.0	.0	1.7	.0	.0	1.1	1.1	1.1
1.1	11.1	1.1	1.7	1.1	.0	.0	1.1	1.1	11.4

OPERATING LOCATION "A"  
 ISAF T-1, 170 VIL, 10

RECEIVED 10 11 00 00

10 11 00 00  
 10 11 00 00

STATION 100 1 100 100 100 100 100 100 100 100  
 100 100 100 100 100 100 100 100

.....

100 100 100 100 100 100 100 100  
 (100 100 100 100 100 100 100 100)

.....

(1) 100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

(2) 100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

(3) 100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

(4) 100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100

100-100 100 100 100 100 100 100





OPERATING LOCATION: "AW"  
USAFSTAC, ASPEN VILLAGE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THE FOLLOWING  
RANGE: 400-1000 MHz

STATION NAME: 726-000

STATION NUMBER: 15471 CLASS: A-1-01

DATE: 12/1/73

EST. TIME: + 5

12/1/73

INSTRUMENT: 1-1-115

DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(079115)

(M) 350-399 .2 .2 .1 .1

400-449 .3 .4 .1 .3 .3

450-499 .3 .2

(B) 500-549 .1 .1

550-599 .1 .2 .2

600-649 .1 .1 .2 .1 .1

(S) 650-699 .1 .1

700-749 .1 .2 .2

750-799 .1 .1

(N) 800-849 .1 .1 .1 .1 .1

850-899 .1 .2 .1 .1 .1

900-949 .1 .1 .1 .1

VARIABLE

CALC

TOTALS 24.5 32.4 12.4 4.4 1.1 .1

TOTAL THOUSANDS OF OBSERVATIONS

1. 1

12114: 1943 12115: 23-01

-1- 2-17 30-16 38-91 45-61 52-56 62-63 FINAL 100% 100%

•

3. 4. 5.

• • • • •

12-13-14

1

• 1 •

• •

•

1 . . . . .

200 300 400

.....

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

1900

•

1. 2. 3.

100

20.7 // // // // // // // //

1

1

100.0 100.0 100.0

105 JUL 15 1960

OPERATION LOCATION NAME  
JSA-STRAT. SEC. VIL. 102

REPORT DATE

10-1-64

11-2-64

11-2-64

STATION NAME: 705-01

STATION NAME: 705-01

100.02 071: 4.5

.....

100-0110  
(100-0115)

1-1 1-1 10-1 1-1 1-1 1-1

(1) 380-11.1 1.3 3.0 2.0

380-11.2 1.2 1.7 . . . . .1

380-11.3 . . . . .1

(1) 000-11.1 .2

110-11.1 .1

140-11.1 . . . . .1 .1

(5) 170-11.1 1.2 . . . . .1

200-11.1 .1 1.1 . . . . .1

210-11.1 . . . . .1 .1

(4) 220-11.1 . . . . .1 .1

230-11.1 . . . . .1 .1

240-11.1 . . . . .1 .1

.....  
VARIABLE

ONLY //////////////////////////////////////

TOTALS 15.7 15.3 14.1 5.1 1.3

TOTAL 100.00 100.00 100.00

.....

1. NAME OF THE COMPANY:   
 2. ADDRESS:   
 3. CITY:   
 4. STATE:   
 5. ZIP:   
 6. PHONE:   
 7. FAX:   
 8. E-MAIL:   
 9. WEBSITE:   
 10. OTHER:

11. TYPE OF BUSINESS:   
 12. INDUSTRY:   
 13. PRODUCTS/SERVICES:   
 14. MARKET:   
 15. COMPETITORS:   
 16. FINANCIAL STATEMENTS:   
 17. TAX RETURNS:   
 18. OTHER:

| 19. NAME OF THE COMPANY | 20. ADDRESS | 21. CITY | 22. STATE | 23. ZIP | 24. PHONE | 25. FAX | 26. E-MAIL | 27. WEBSITE | 28. OTHER |
|-------------------------|-------------|----------|-----------|---------|-----------|---------|------------|-------------|-----------|
| 1                       |             |          |           |         |           |         |            |             |           |
| 2                       |             |          |           |         |           |         |            |             |           |
| 3                       |             |          |           |         |           |         |            |             |           |
| 4                       |             |          |           |         |           |         |            |             |           |
| 5                       |             |          |           |         |           |         |            |             |           |
| 6                       |             |          |           |         |           |         |            |             |           |
| 7                       |             |          |           |         |           |         |            |             |           |
| 8                       |             |          |           |         |           |         |            |             |           |
| 9                       |             |          |           |         |           |         |            |             |           |
| 10                      |             |          |           |         |           |         |            |             |           |
| 11                      |             |          |           |         |           |         |            |             |           |
| 12                      |             |          |           |         |           |         |            |             |           |
| 13                      |             |          |           |         |           |         |            |             |           |
| 14                      |             |          |           |         |           |         |            |             |           |
| 15                      |             |          |           |         |           |         |            |             |           |
| 16                      |             |          |           |         |           |         |            |             |           |
| 17                      |             |          |           |         |           |         |            |             |           |
| 18                      |             |          |           |         |           |         |            |             |           |
| 19                      |             |          |           |         |           |         |            |             |           |
| 20                      |             |          |           |         |           |         |            |             |           |
| 21                      |             |          |           |         |           |         |            |             |           |
| 22                      |             |          |           |         |           |         |            |             |           |
| 23                      |             |          |           |         |           |         |            |             |           |
| 24                      |             |          |           |         |           |         |            |             |           |
| 25                      |             |          |           |         |           |         |            |             |           |
| 26                      |             |          |           |         |           |         |            |             |           |
| 27                      |             |          |           |         |           |         |            |             |           |
| 28                      |             |          |           |         |           |         |            |             |           |
| 29                      |             |          |           |         |           |         |            |             |           |
| 30                      |             |          |           |         |           |         |            |             |           |

31. NAME OF THE COMPANY:   
 32. ADDRESS:   
 33. CITY:   
 34. STATE:   
 35. ZIP:   
 36. PHONE:   
 37. FAX:   
 38. E-MAIL:   
 39. WEBSITE:   
 40. OTHER:

OPERATING LOCATION: "A"  
USAF/AFAC, 170 VILLAGE

PERCENTAGE TESTED: 100%

STATION NUMBER: 22100

STATION NAME: 22100

STATION TYPE: 22100

12-11-10  
(25-10-10)

(4) 380-110

520-110

780-110

(5) 880-110

110-110

140-110

(5) 170-110

200-110

230-110

(1) 240-110

250-110

320-110

VARIABLE

CALC

TOTAL

TOTAL 100% = 100% (100% = 100%)

1. The following information is being furnished to you for your information only. It is not intended to be used for any other purpose.

100-3: 10-11  
 100-3: 10-11

[illegible]

////////////////////////////////////// 11. 7. 2007 //////////////////////////////////////

1000

[illegible]



14-00000  
14-00000

11. // // // // //

1. . . . .

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84



OPERATING LOCALITY NAME  
USAFIELD, AR. MIL. 17

STATION NAME: 10000

STATION NAME: 10000 STATION NAME: 10000

STATION NAME: 10000

STATION NAME: 10000  
(10000)

(1) 10000-10000 1.0 1.0 1.0 1.0

10000-10000 1.0 1.0 1.0 1.0

10000-10000 1.0 1.0 1.0 1.0

(2) 10000-10000 1.0 1.0 1.0 1.0

10000-10000 1.0 1.0 1.0 1.0

10000-10000 1.0 1.0 1.0 1.0

(3) 10000-10000 1.0 1.0 1.0 1.0

10000-10000 1.0 1.0 1.0 1.0

10000-10000 1.0 1.0 1.0 1.0 1.0

(4) 10000-10000 1.0 1.0 1.0 1.0 1.0

10000-10000 1.0 1.0 1.0 1.0 1.0

10000-10000 1.0 1.0 1.0 1.0 1.0

STATION NAME: 10000

CALC: //////////////////////////////////////

STATION NAME: 10000 STATION NAME: 10000 STATION NAME: 10000

STATION NAME: 10000 STATION NAME: 10000

100

195

[illegible]

1. *Chlorophyll a* (Chl *a*)

2. 4. 1. 2. 3.

*Journal of Management Education* 30(6)p. 789-804

[illegible][illegible]

... .. 17. ... ..

| Year | 1977 | 1978 | 1979 |
|------|------|------|------|
| ...  | ...  | ...  | ...  |

7.5

[illegible]

100.0 0.0 0.0

100

OPERATING LOCATION: WAW  
USAFETAG, ASH VILL, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAMAGE TO  
AND FREQUENCY OF DAMAGE

STATION NAME: 725 85

STATION NAME: R. A. S. A. S. A. S.

LST IN DTIC: + 2

01 14

02 14

.....  
FIND 32812 1.4 377  
SI- STIC, 1-4 1-8 10-14 17-19 20-24 24-28 31-34 37-40 43-46  
(01988) (S)

.....  
(4) 350-360 3.1 2.4 1.3 .1

370-380 2.2 1.5 .4

390-400 .4 .4 .4

.....  
(4) 410-420 .2 .3 .1

430-440 .4 .3 .2

450-460 1.1 .3 .1 .2

.....  
(S) 470-480 1.5 1.2 .2

490-500 1.2 1.7

510-520 1.4 1.2 2.5 .3

.....  
(4) 530-540 .7 1.1 1.2 .2

550-560 1.7 2.1 2.2 1.4 .1

570-580 1.5 1.3 1.2 .2 .1 .1

.....  
VARIABLE

CALC //

TOTALS 33.5 25.5 17. 11.2 .4 .1

TOTAL NUMBER OF OBSERVATIONS 130

ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM JULY 1958 - MAY 1975

PERIOD OF RECORD: JUL 75 - JUL 79  
 STATION: JRM TOWERS: 10-70

| WIND SPEED | 10-75 | 11-75 | 12-75 | 1-76  | 10-76 | 11-76 | 12-76 | 1-77  | TOTAL | WIND DIRECTION | WIND SPEED |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|------------|
| 0-5        | 4.2   | 4.1   | 4.0   | 4.4   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 0-5            | 4.0        |
| 6-10       | 1.7   | 1.3   | 1.0   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 6-10           | 1.3        |
| 11-15      | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 11-15          | 1.3        |
| 16-20      | 3.0   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 16-20          | 4.0        |
| 21-25      | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 8.0   | 21-25          | 8.0        |
| 26-30      | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 26-30          | 11.4       |
| 31-35      | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 11.4  | 31-35          | 11.4       |
| 36-40      | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 36-40          | 10.0       |
| 41-45      | 7.5   | 7.5   | 7.5   | 7.5   | 7.5   | 7.5   | 7.5   | 7.5   | 7.5   | 41-45          | 7.5        |
| 46-50      | 15.2  | 15.2  | 15.2  | 15.2  | 15.2  | 15.2  | 15.2  | 15.2  | 15.2  | 46-50          | 15.2       |
| 51-55      | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 51-55          | 100.0      |

OPERATING LOCATION "A"  
USAFPTA, APO VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH TYPE OF WEATHER

STATION NAME: 722-5

STATION NAME: 0125 45 00

EST. TO GRID: +E

TIME:

.....

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(000-000)

.....

(4) 350-010 2.4 3.7 1.1

.....

020-010 1.7 2.2 .2 .3

.....

050-070 .7 .1 .2 .1

.....

(5) 100-100 .2 .2 .1

.....

110-130 .3 .3 .1

.....

140-150 .4 .2 .2

.....

(6) 170-180 3.1 .2 .4

.....

220-240 0.3 1.2 .1

.....

250-270 4.7 5.1 6.1 .4

.....

(7) 280-290 1.2 7.3 2.2 .2

.....

290-310 4.1 7.0 5.0 1.0 .0

.....

320-340 2.7 2.0 1.0 .2

.....

VARIABLE

.....

CALC

.....

TOTALS 20.4 31.3 17.0 3.0 .1

.....

TOTAL NUMBER OF OBSERVATIONS 430

.....

# INCIDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM APRIL 1951 TO 1953

PERIOD OF RECORD: JUL 74 - JUL 75  
 MONTH: JAN HOURS: 21-24

WIND SPEED IN KNOTS

0-24 25-29 30-34 35-39 40-49 50-64 65-69 TOTAL 40.0 41.0 42.0

7.2 5.1 2.0

4.4 4.1 4.0

1.3 1.2 1.1

2.2 3.2 2.7

1.2 5.4 6.0

0.0 5.5 1.0

4.2 4.1 4.0

4.2 4.4 4.7

12.0 1.7 1.0

21.4 5.0 5.2

17.0 1.7 1.0

7.1 5.2 1.0

15.4

100.0 4.0 4.0

NO. OF OBSERVATIONS 130

OPERATING LOCATION: WAM  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF 1001-2100: 50-60% WIND  
FROM 10 JULY 1954-OBSERVATIONS

STATION NUMBER: 725465

STATION NAME: PEASE AFB NH

20-100

USE TO WTC: + 5

20-100

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(DEG-15)

(N) 350-110 2.4 3.1 1.6 .2 .0

320-340 1.3 1.7 .3 .2 .1

050-070 .1 .4 .1 .0

(E) 080-100 .3 .1 .1 .0 .0 .0

110-130 .3 .2 .2 .1 .0

140-160 .3 .4 .2 .2 .1 .0

(S) 170-190 1.7 1.9 .3 .0

200-220 2.0 2.1 .3 .1 .0

230-250 4.0 4.5 1.7 .2 .1

(W) 260-280 6.4 7.5 4.0 1.3 .3 .0

290-310 4.2 5.3 6.1 2.3 .0 .0

320-340 4.4 3.1 1.5 .4 .0 .0

VARIABLE

CALC

TOTALS 30.5 22.3 13.2 5.3 1.2

TOTAL NUMBER OF OBSERVATIONS 744

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

AT: 74  
 PERIOD OF RECORD: JUL 73 - JUL 77  
 MONTH: JAN DUTY: ALL

WIND SPEED IN KNOTS

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | TOTAL | NEAR | 100 |
|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|
|     |     |       |       |       |       |       |       |       |       |       |       | 7.4   | 8.3  | 6.2 |
|     |     |       |       |       |       |       |       |       |       |       |       | 3.0   | 6.9  | 5.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 1.2   | 4.3  | 4.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 5.0   | 6.7  | 5.4 |
|     |     |       |       |       |       |       |       |       |       |       |       | 1.1   | 7.0  | 1.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 1.0   | 6.0  | 4.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 3.3   | 4.0  | 4.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 3.3   | 4.0  | 4.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 11.3  | 6.0  | 5.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 20.1  | 7.0  | 7.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 20.2  | 3.0  | 4.0 |
|     |     |       |       |       |       |       |       |       |       |       |       | 4.4   | 6.4  | 1.0 |

//////////////////////////////////// 14.5 //////////////////////////////////

0.0 100.0 0.1 0.2

WIND DIRECTION 7440



OPERATING LOCALITY NAME  
USAFSTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
4-17-1964 15 2031

STATION NUMBER: 726055

STATION NAME: PLASE AND NO  
LST TIME: + 5

CATEGORY 1: CEILING OF 200 BUT LESS THAN 1000 FEET AT VISION HURTY 1 1/2 MI  
AND/OR

VISIBILITY OF 1/2 MILE (0300-0400) BUT LESS THAN 1 MILE (0400-0500)

DIRECTION 1-4 5-8 10-14 16-19 20-24 25-29 30-34 35-39 40-44

(0500-0600)

(1) 050-099

7.4 8.2 5.1 .2

020-049

7.4 8.2 8.0 .1 .3

050-079

1.3 1.4 .2 .1

(2) 080-119

.7 .7 .2

110-139

1.1 1.0 1.1 .7 .2

140-169

1.2 1.0 1.1 1.7 .0 .1

(3) 170-199

2.4 2.1 1.2 .1

200-229

1.0 1.0 .1 .2

230-259

1.1 1.1

(4) 260-299

2.5 2.2 .2 .1

300-319

1.7 1.1 1.0

320-349

1.1 5.3 2.2 .4

VA-TABLE

CALC

TOTALS

41.2 33.7 15.0 4.1 1.3 .1

TOTAL NUMBER OF OBSERVATIONS

INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM DAILY OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 79 - JUL 80

MONTH: JAN DATES: ALL

1. VISIBILITY OF 1/2 MILE (800 METERS).

2. 5) AT LESS THAN 5 MILES (800 METERS) WITH CEILING OF 200 FEET.

3. 10) 11 KNOTS

1-14 20-24 30-34 35-39 40-49 50-54 55-59 TOTAL MEAN

1 1.1 1.1

22.6 1.7 1.7

12.1 1.2 1.2

3.6 1.2 1.2

1.1 1.1 1.1

4.3 11.3 11.3

8.3 11.3 11.3

2.3 1.2 1.2

3.3 1.7 1.7

2.2 4.3 4.3

3.1 4.3 4.3

4.2 1.5 1.5

17.1 1.5 1.5

12.3

1.3 1.1 1.1

100.0 1.1 1.1

100.0 1.1 1.1





JPERAILING LOCATION "A"  
JSAFETAC, ADH-VILLAGE

PERCENTAGE FREQUENCY OF WIND DIRECTION  
DIRECTION OF WIND

STATION NAME: 220000

STATION NAME: 220000

SET TO SET: + 5

WIND

WIND

.....

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99

.....

(1) 350-359 1.1 1.2 1.3 1.7

020-029 1.0 1.2 . . . . .4

050-059 .7 1.2 .1

(2) 080-089 1.3 . . . . .1

110-119 . . . . .

140-149 1. . . . .

(3) 170-179 1. . . . .

200-209 1. . . . .1

230-239 . . . . .

(4) 260-269 1. . . . .7

290-299 1. . . . .

320-329 1. . . . .

.....

WIND

CAUTION //////////////////////////////////////

TOTAL 10.4 10.7 10.7 10.7 .4

TOTAL WIND DIRECTION

.....

DATE: 06-10-1964  
TIME: 15:00

[illegible]

On 22 April 1994, the *Journal of the American Medical Association* published a study by the National Cancer Institute (NCI) that showed that the use of tamoxifen in the treatment of breast cancer was associated with an increased risk of developing endometrial cancer (1). The study was a retrospective analysis of 1,000 breast cancer patients who had been treated with tamoxifen for at least 1 year. The results showed that the risk of developing endometrial cancer was 2.5 times higher in patients who had been treated with tamoxifen for at least 1 year compared with patients who had not been treated with tamoxifen. The study also showed that the risk of developing endometrial cancer increased with the duration of tamoxifen treatment. The study was a retrospective analysis of 1,000 breast cancer patients who had been treated with tamoxifen for at least 1 year. The results showed that the risk of developing endometrial cancer was 2.5 times higher in patients who had been treated with tamoxifen for at least 1 year compared with patients who had not been treated with tamoxifen. The study also showed that the risk of developing endometrial cancer increased with the duration of tamoxifen treatment.

STAFF: 14

441 10-112: 1

[illegible]

(N) 579-122 1.7 4.3 1.1 1.7 1.1

100-200000 100000 100000 100000 100000

1. 2. 3. 4. 5.

(-) 130-2

110-101 .3 .1 .7 .4

10-11-1968

(S) 174-122

1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025, 2025-2026, 2026-2027, 2027-2028, 2028-2029, 2029-2030, 2030-2031, 2031-2032, 2032-2033, 2033-2034, 2034-2035, 2035-2036, 2036-2037, 2037-2038, 2038-2039, 2039-2040, 2040-2041, 2041-2042, 2042-2043, 2043-2044, 2044-2045, 2045-2046, 2046-2047, 2047-2048, 2048-2049, 2049-2050, 2050-2051, 2051-2052, 2052-2053, 2053-2054, 2054-2055, 2055-2056, 2056-2057, 2057-2058, 2058-2059, 2059-2060, 2060-2061, 2061-2062, 2062-2063, 2063-2064, 2064-2065, 2065-2066, 2066-2067, 2067-2068, 2068-2069, 2069-2070, 2070-2071, 2071-2072, 2072-2073, 2073-2074, 2074-2075, 2075-2076, 2076-2077, 2077-2078, 2078-2079, 2079-2080, 2080-2081, 2081-2082, 2082-2083, 2083-2084, 2084-2085, 2085-2086, 2086-2087, 2087-2088, 2088-2089, 2089-2090, 2090-2091, 2091-2092, 2092-2093, 2093-2094, 2094-2095, 2095-2096, 2096-2097, 2097-2098, 2098-2099, 2099-2100, 2100-2101, 2101-2102, 2102-2103, 2103-2104, 2104-2105, 2105-2106, 2106-2107, 2107-2108, 2108-2109, 2109-2110, 2110-2111, 2111-2112, 2112-2113, 2113-2114, 2114-2115, 2115-2116, 2116-2117, 2117-2118, 2118-2119, 2119-2120, 2120-2121, 2121-2122, 2122-2123, 2123-2124, 2124-2125, 2125-2126, 2126-2127, 2127-2128, 2128-2129, 2129-2130, 2130-2131, 2131-2132, 2132-2133, 2133-2134, 2134-2135, 2135-2136, 2136-2137, 2137-2138, 2138-2139, 2139-2140, 2140-2141, 2141-2142, 2142-2143, 2143-2144, 2144-2145, 2145-2146, 2146-2147, 2147-2148, 2148-2149, 2149-2150, 2150-2151, 2151-2152, 2152-2153, 2153-2154, 2154-2155, 2155-2156, 2156-2157, 2157-2158, 2158-2159, 2159-2160, 2160-2161, 2161-2162, 2162-2163, 2163-2164, 2164-2165, 2165-2166, 2166-2167, 2167-2168, 2168-2169, 2169-2170, 2170-2171, 2171-2172, 2172-2173, 2173-2174, 2174-2175, 2175-2176, 2176-2177, 2177-2178, 2178-2179, 2179-2180, 2180-2181, 2181-2182, 2182-2183, 2183-2184, 2184-2185, 2185-2186, 2186-2187, 2187-2188, 2188-2189, 2189-2190, 2190-2191, 2191-2192, 2192-2193, 2193-2194, 2194-2195, 2195-2196, 2196-2197, 2197-2198, 2198-2199, 2199-2200, 2200-2201, 2201-2202, 2202-2203, 2203-2204, 2204-2205, 2205-2206, 2206-2207, 2207-2208, 2208-2209, 2209-2210, 2210-2211, 2211-2212, 2212-2213, 2213-2214, 2214-2215, 2215-2216, 2216-2217, 2217-2218, 2218-2219, 2219-2220, 2220-2221, 2221-2222, 2222-2223, 2223-2224, 2224-2225, 2225-2226, 2226-2227, 2227-2228, 2228-2229, 2229-2230, 2230-2231, 2231-2232, 2232-2233, 2233-2234, 2234-2235, 2235-2236, 2236-2237, 2237-2238, 2238-2239, 2239-2240, 2240-2241, 2241-2242, 2242-2243, 2243-2244, 2244-2245, 2245-2246, 2246-2247, 2247-2248, 2248-2249, 2249-2250, 2250-2251, 2251-2252, 2252-2253, 2253-2254, 2254-2255, 2255-2256, 2256-2257, 2257-2258, 2258-2259, 2259-2260, 2260-2261, 2261-2262, 2262-2263, 2263-2264, 2264-2265, 2265-2266, 2266-2267, 2267-2268, 2268-2269, 2269-2270, 2270-2271, 2271-2272, 2272-2273, 2273-2274, 2274-2275, 2275-2276, 2276-2277, 2277-2278, 2278-2279, 2279-2280, 2280-2281, 2281-2282, 2282-2283, 2283-2284, 2284-2285, 2285-2286, 2286-2287, 2287-2288, 2288-2289, 2289-2290, 2290-2291, 2291-2292, 2292-2293, 2293-2294, 2294-2295, 2295-2296, 2296-2297, 2297-2298, 2298-2299, 2299-2300, 2300-2301, 2301-2302, 2302-2303, 2303-2304, 2304-2305, 2305-2306, 2306-2307, 2307-2308, 2308-2309, 2309-2310, 2310-2311, 2311-2312, 2312-2313, 2313-2314, 2314-2315, 2315-2316, 2316-2317, 2317-2318, 2318-2319, 2319-2320, 2320-2321, 2321-2322, 2322-2323, 2323-2324, 2324-2325, 2325-2326, 2326-2327, 2327-2328, 2328-2329, 2329-2330, 2330-2331, 2331-2332, 2332-2333, 2333-2334, 2334-2335, 2335-2336, 2336-2337, 2337-2338, 2338-2339, 2339-2340, 2340-2341, 2341-2342, 2342-2343, 2343-2344, 2344-2345, 2345-2346, 2346-2347, 2347-2348, 2348-2349, 2349-2350, 2350-2351, 2351-2352, 2352-2353, 2353-2354, 2354-2355, 2355-2356, 2356-2357, 2357-2358, 2358-2359, 2359-2360, 2360-2361, 2361-2362, 2362-2363, 2363-2364, 2364-2365, 2365-2366, 2366-2367, 2367-2368, 2368-2369, 23

1.  $\frac{1}{2}$  2.  $\frac{1}{2}$  3.  $\frac{1}{2}$  4.  $\frac{1}{2}$  5.  $\frac{1}{2}$  6.  $\frac{1}{2}$  7.  $\frac{1}{2}$  8.  $\frac{1}{2}$  9.  $\frac{1}{2}$  10.  $\frac{1}{2}$

\_\_\_\_\_

VAP: 11-11-11

[illegible]

| DATE | TIME | PLACE | REMARKS |
|------|------|-------|---------|
| 1951 | 11.0 | 10.0  | 1.0     |

THE UNIVERSITY OF CHICAGO PRESS

ANALYSIS OF ACCIDENT INCIDENTS BY MONTH AND MONTHLY AVERAGE

PERIOD OF RECORD: JUL 73 - JUN 74  
 MONTH: FEB      WEEKS: 04-01

INCIDENT BY MONTHS

| 1-73 | 2-73 | 3-73 | 4-73 | 5-73 | 6-73 | 7-73 | 8-73 | 9-73 | 10-73 | 11-73 | 12-73 | TOTAL | WEEKLY | MONTHLY |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|---------|
| 1    |      |      |      |      |      |      |      |      |       |       |       | 11.7  | 2.9    | 2.9     |
|      |      |      |      |      |      |      |      |      |       |       |       | 6.1   | 6.0    | 6.0     |
|      |      |      |      |      |      |      |      |      |       |       |       | 1.1   | 7.5    | 7.5     |
|      |      |      |      |      |      |      |      |      |       |       |       | 1.8   | 2.3    | 10.7    |
|      |      |      |      |      |      |      |      |      |       |       |       | 1.2   | 2.5    | 9.0     |
|      |      |      |      |      |      |      |      |      |       |       |       | 1.1   | 7.0    | 7.0     |
|      |      |      |      |      |      |      |      |      |       |       |       | 1.7   | 7.1    | 7.7     |
|      |      |      |      |      |      |      |      |      |       |       |       | 8.0   | 6.1    | 6.1     |
|      |      |      |      |      |      |      |      |      |       |       |       | 8.0   | 2.1    | 2.1     |
|      |      |      |      |      |      |      |      |      |       |       |       | 16.7  | 8.0    | 8.0     |
|      |      |      |      |      |      |      |      |      |       |       |       | 12.7  | 7.0    | 7.0     |
|      |      |      |      |      |      |      |      |      |       |       |       | 6.0   | 6.0    | 6.0     |

//////////////////////////////////// 11.7 //////////////////////////////////

100.0      6.0      6.0

WEEKLY AVERAGE



OPERATING LOCATION: WAM  
USA-RTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM JULY 1970 - MAY 1971

STATION NUMBER: 726675

STATION NAME: PEASE AND  
1ST TO WIND: + 5

STATION  
ELEVATION:

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(050-090)

(M) 350-410

2.2

4.5

2.2

.5

.2

020-040

2.1

2.5

2.5

250-270

1.1

1.2

.9

.4

(C) 000-100

.7

.5

.7

110-130

.3

.6

.1

140-160

.1

.3

.4

.8

.4

(S) 170-190

.3

.5

.2

200-220

1.4

2.2

1.3

230-250

.2

4.7

1.2

.1

(D) 260-280

3.7

4.9

4.1

.4

.3

290-310

1.5

5.1

4.1

3.5

.9

320-340

6.9

5.7

1.5

.4

VARIABLE

CALC

TOTALS

22.4

55.4

23.6

5.9

2.0

TOTAL NUMBER OF OBSERVATIONS 169

0 - 4 - 14

1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 26

MOBILE: 553

CLASS: 02-11

- 2 - 30-31 32-33 34-35 36-37 38-39 40-41 42-43 44-45

TOTAL 100% 0.000

[illegible]

11.9 7.5 4.2

7.3 7.3 7.3

2.1 7.1 1.1

2.1 7.2 7.3

1.2 5.4 1.6

1.0 17.0 18.0

1.2      2.2      3.2

4. 6. 7.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

[illegible][illegible]

11. 8

10.4 // // // // // // //

199.3      7.9      7.3

100-371135-49

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF RECOMMENDED SURFACE WIND  
FROM 4000LY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB, NH

LST TO UTC: + 5

DATE: 10/10/67

TIME: 1400

.....

DISCRETE WIND SPEED IN KNOTS  
(DEGREES) 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

.....  
(N) 350-010 1.4 2.4 2.6 .6

020-040 1.4 2.4 .7 .6

050-070 1.2 2.2 .6 .4

(E) 080-100 1.5 1.2 .4

110-130 1.2 2.2 .2

140-160 .7 2.6 .7 .4

(S) 170-190 .7 1.3 .1

200-220 1.1 2.2 .7

230-250 2.7 2.6 2.5 .1

(4) 260-280 3.2 2.9 7.5 1.2 .2

290-310 .5 3.4 10.1 3.5 .

320-340 3.8 4.1 3.1 .5 .7

.....  
VARIABLES

CALC //

TOTALS 19.5 37.1 22.1 7.7 1.2

TOTAL NUMBER OF OBSERVATIONS 169

.....

INCIDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: 100 PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: FEB HOURS: 12-14

WIND SPEED IN KNOTS

0-24 25-29 30-34 35-39 40-49 50-54 55-59 TOTAL MEAN WIND  
DIRECTION

7.4 3.7 2.0

5.7 7.5 6.5

4.1 6.9 5.0

3.2 2.2 4.2

3.7 5.5 6.0

4.4 5.1 5.0

3.1 6.3 5.5

4.0 5.4 7.0

10.0 6.7 7.0

13.1 1.0 2.1

12.0 12.0 12.0

11.0 5.7 5.0

5.7

100.0 5.1 5.0

PER OBSERVATIONS 169

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM EMPLOY OBSERVATIONS

STATION NUMBER: 726086

STATION NAME: PLEASANT AIR

DATE: 10/1/54

1ST TO 100: + 5

101: F

..... WIND SPEED IN MPH  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49  
(350-010)

(N) 350-010 1.2 2.0 1.5 .2

020-040 2.8 1.2 1.7 .5 .1

050-070 1.5 2.1 .4 .1 .4

(E) 080-100 1.3 1.2 .5

110-130 2.3 2.1 .1

140-160 1.7 3.2 1.2 .4

(S) 170-190 1.4 1.1 .1 .1

200-220 2.2 2.2 .2

230-250 1.7 2.3 1.1 .1

(W) 260-280 2.4 2.3 3.2 1.1

290-310 1.1 7.1 11.1 2.9 1.1

320-340 2.7 4.1 3.2 .1 .1

..... VARIABLE

CAL: //

TOTALS 23.6 37.4 24.9 5.6 1.7

TOTAL NUMBER OF OBSERVATIONS 64

.....

AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

DATE: 04

PERIOD OF RECORD: JUL 77 - JUN 78

UNIT: FPS HOURS: 15-17

WIND SPEED IN KNOTS

| 1-24 | 25-30 | 31-34 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | MEAN | STDEV |
|------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 0    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0     |

5.5 7.1 5.2

.1 5.2 7.5 5.0

.2 4.7 5.2 5.0

3.9 5.0 5.0

4.8 5.1 4.6

7.7 5.5 5.7

2.7 5.2 5.1

4.7 5.1 5.0

5.9 5.5 5.3

14.8 5.1 5.0

1.1 23.2 11.1 11.0

.1 10.0 5.2 5.0

8.1

1.1 10.0 7.5 7.0

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE IN  
FROM GROUND OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PHASE 1A-1M  
LSI TO SIG: + 5

STATION  
CLASS:

WIND SPEED IN KNOTS

DIRECTION  
(DEGREES)

1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(4) 350-310

2.7 1.2 .7 .2 .1

020-040

2.2 2.2 1.2 .1

050-070

1.4 1.2 .4

(5) 080-110

.3 .2 .1

110-130

1.3 .4 .1

140-150

2.1 1.9 .2 .2

(5) 170-190

4.2 1.2 .2

200-220

2.5 1.1 .1

230-250

2.2 1.6 .7 .1

(4) 260-280

3.0 2.2 1.2 .1

290-310

4.0 12.7 6.1 2.2 .2

320-340

2.2 4.1 2.6 .2

VARIABLE

CALC

////////////////////

TOTAL

35.2 31.2 13.2 4.3 .2

TOTAL NUMBER OF OBSERVATIONS 142

AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
AND DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 77 - JUN 78  
UNIT: FEET HOURS: 16-20

REPORTED IN KNOTS

| 0-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | TOTAL | 100  | 1000 |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|
|      |       |       |       |       |       |       | 10    | 41.0 | 81.0 |

|    |  |  |  |  |  |  |     |     |     |
|----|--|--|--|--|--|--|-----|-----|-----|
| .1 |  |  |  |  |  |  | 5.5 | 3.2 | 2.2 |
|----|--|--|--|--|--|--|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 7.5 | 7.0 | 6.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 2.7 | 4.0 | 4.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 1.5 | 2.5 | 4.2 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 2.1 | 3.8 | 2.7 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 5.4 | 5.0 | 4.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 5.7 | 4.3 | 2.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 5.4 | 4.1 | 4.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 5.5 | 3.2 | 4.0 |
|-----|-----|-----|

|      |     |     |
|------|-----|-----|
| 11.1 | 5.2 | 4.0 |
|------|-----|-----|

|    |      |     |     |
|----|------|-----|-----|
| .2 | 24.5 | 4.4 | 4.0 |
|----|------|-----|-----|

|     |     |     |
|-----|-----|-----|
| 5.0 | 7.3 | 1.4 |
|-----|-----|-----|

14.1

|       |     |     |
|-------|-----|-----|
| 100.0 | 6.0 | 4.0 |
|-------|-----|-----|

100.0 6.0 4.0



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF HEAD WIND  
FOR MONTHLY PERIOD: JANUARY

STATION NUMBER: 720855

STATION NAME: PEASE, ASHEVILLE

DATE: 1-1-55

LOI TO MIC: + 5

TIME: 1400H

WIND SPEED IN KNOTS

DIRECTION:  
(0-359)

1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49

(N) 350-010

2.5 3.4 .5 .2 .1

020-040

1.5 2.4 1.5 .5 .1

050-070

.2 .1 .1 .1 .1

(E) 230-100

.7 .1 .1 .1 .1

110-130

.1 .7 .5 .1 .1

140-160

.1 1.1 .4 .1 .1

(S) 170-190

1.7 1.2 .1 .1 .1

200-220

3.3 2.4 .4 .1 .1

230-250

1.1 1.2 .2 .1 .1

(W) 280-290

1.1 5.1 1.2 .2 .1

290-310

1.4 7.4 5.4 1.1 .1

320-340

4.7 3.4 1.2 .5 .2

VARIABLE

CALC

TOTALS

34.6 30.9 12.6 5.6 .2

TOTAL NUMBER OF OBSERVATIONS 700

DRAG OF ACCUMULATOR SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM 1000Z 1101Z 1201Z

DATE: 14 OCT 74 DURING OF RECORD: JUL 74 - JUL 74  
 NAME: ELI... PERIODS: 21-23

| WIND SPEED IN KNOTS |       |       |       |       |       | TOTAL | WIND | WIND |
|---------------------|-------|-------|-------|-------|-------|-------|------|------|
| 25-29               | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 |       |      |      |
| .....               | ..... | ..... | ..... | ..... | ..... | 3.1   | 2.3  | 2.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 5.4   | 7.5  | 7.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 1.3   | 6.1  | 6.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 1.1   | 2.5  | 2.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 1.0   | 7.1  | 7.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 1.2   | 6.3  | 6.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 4.5   | 4.7  | 4.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 5.0   | 6.0  | 6.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 7.5   | 5.4  | 6.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 12.7  | 6.4  | 6.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 10.5  | 7.7  | 7.0  |
| .....               | ..... | ..... | ..... | ..... | ..... | 9.9   | 6.3  | 6.0  |

..... 17.0 .....  
 100.0 7.2 6.0

OBSERVATIONS 5.0

OPERATING LOCATION: WAM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND DIRECTION  
IN 10 MINUTE PERIODS

STATION NUMBER: 75658

STATION NAME: BASE 4-100

EST TO WTC: 4.3

DATE:

TIME:

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99

(75658)

(4) 350-310 5.3 3.6 1.4 .0 .1

090-040 2.1 2.6 1.3 .4 .0

250-270 .0 1.2 .4 .2 .1

(5) 080-100 .0 .0 .4 .1 .0 .0

110-130 .0 .0 .3 .1

140-150 1.4 1.4 .0 .1 .0

(3) 170-190 1.3 1.0 .0 .1 .0

200-220 1.0 1.4 .4

230-250 .0 1.4 .0 .1

(4) 260-280 5.1 5.7 2.0 .5 .1 .0

290-310 6.0 7.0 7.0 1.0 .0

320-340 5.1 4.5 1.0 .0 .1

VARIABLE

CALM //////////////////////////////////////

TOTALS 22.5 32.2 17.0 6.8 2.2

TOTAL NUMBER OF OBSERVATIONS 1742

ANNUAL REPORT ON THE STATUS OF THE FISH AND WILDLIFE RESOURCES OF THE STATE OF TEXAS  
 FOR THE YEAR 1972

REPORT FOR THE YEAR: JUL 72 - JUN 73  
 TITLE: FISH AND WILDLIFE RESOURCES

| FISH AND WILDLIFE RESOURCES |      |      |      |      | TOTAL | PERCENT | PERCENT |
|-----------------------------|------|------|------|------|-------|---------|---------|
| 1972                        | 1971 | 1970 | 1969 | 1968 |       |         |         |
| 1                           | 1    | 1    | 1    | 1    | 5     | 100.0   | 100.0   |
| 2                           | 2    | 2    | 2    | 2    | 10    | 200.0   | 200.0   |
| 3                           | 3    | 3    | 3    | 3    | 15    | 300.0   | 300.0   |
| 4                           | 4    | 4    | 4    | 4    | 20    | 400.0   | 400.0   |
| 5                           | 5    | 5    | 5    | 5    | 25    | 500.0   | 500.0   |
| 6                           | 6    | 6    | 6    | 6    | 30    | 600.0   | 600.0   |
| 7                           | 7    | 7    | 7    | 7    | 35    | 700.0   | 700.0   |
| 8                           | 8    | 8    | 8    | 8    | 40    | 800.0   | 800.0   |
| 9                           | 9    | 9    | 9    | 9    | 45    | 900.0   | 900.0   |
| 10                          | 10   | 10   | 10   | 10   | 50    | 1000.0  | 1000.0  |
| 11                          | 11   | 11   | 11   | 11   | 55    | 1100.0  | 1100.0  |
| 12                          | 12   | 12   | 12   | 12   | 60    | 1200.0  | 1200.0  |
| 13                          | 13   | 13   | 13   | 13   | 65    | 1300.0  | 1300.0  |
| 14                          | 14   | 14   | 14   | 14   | 70    | 1400.0  | 1400.0  |
| 15                          | 15   | 15   | 15   | 15   | 75    | 1500.0  | 1500.0  |
| 16                          | 16   | 16   | 16   | 16   | 80    | 1600.0  | 1600.0  |
| 17                          | 17   | 17   | 17   | 17   | 85    | 1700.0  | 1700.0  |
| 18                          | 18   | 18   | 18   | 18   | 90    | 1800.0  | 1800.0  |
| 19                          | 19   | 19   | 19   | 19   | 95    | 1900.0  | 1900.0  |
| 20                          | 20   | 20   | 20   | 20   | 100   | 2000.0  | 2000.0  |

100.0  
 200.0  
 300.0  
 400.0  
 500.0  
 600.0  
 700.0  
 800.0  
 900.0  
 1000.0  
 1100.0  
 1200.0  
 1300.0  
 1400.0  
 1500.0  
 1600.0  
 1700.0  
 1800.0  
 1900.0  
 2000.0

OPERATING LOCATION: "A"  
 JOSEPHINE, ARIZONA

PERCENTAGE SAMPLING OF 1951 DATA OF 1951  
 100% 100% 100% 100% 100% 100%

STATION NUMBER: 25000 STATION NAME: JOSEPHINE  
 DISTRICT: 10000

CATEGORY: 10000 10000 10000 10000 10000 10000  
 10000 10000 10000 10000 10000 10000

STATION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49  
 (DEGREE)

(1) 350-100 1.2 2.4 4.6 1.8 .2

350-150 . . . . . 1.1 .1

350-200 1.7 1.3 1.1 1.0 . .

(2) 350-100 1.2 2.2 1.3 .3 .1 .1

110-150 . 1.1 1.3 1.0

140-150 1.3 1.2 . 1.1 .4

(3) 170-100 1.2 . 1.2 . . .1

200-200 . . . . .

240-200 . 1.4 .4

(4) 250-100 1.3 .7 . . . .

300-310 1.4 .4 . . .1

320-340 4.2 4.7 2. .7 .1

VALID

CALC

TOTAL 15.4 32.3 16.7 4.7 1.5 .1

TOTAL NUMBER OF 1951 DATA 35

AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 MONTHLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
 AREA: EIA HOURS: ALL

WIND WITH VISIBILITY OF 1/2 MILE (800 METERS).  
 WINDS OF LESS THAN 3 MPH (480 METERS) WITH CEILING OF 200 FT.

| WIND DIRECTION IN DEGREES |    | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | TOTAL | MEAN | STDEV |
|---------------------------|----|-------|-------|-------|-------|-------|-------|-------|------|-------|
|                           |    |       |       |       |       |       |       |       |      |       |
| .3                        |    |       |       |       |       |       |       | 24.0  | 7.0  | 2.2   |
| .1                        |    |       |       |       |       |       |       | 19.0  | 7.0  | 2.2   |
| .1                        |    |       |       |       |       |       |       | 7.0   | 2.0  | 1.0   |
| .1                        | .1 |       |       |       |       |       |       | 9.0   | 2.7  | 1.0   |
|                           |    |       |       |       |       |       |       | 6.0   | 10.0 | 10.0  |
| .4                        |    |       |       |       |       |       |       | 4.0   | 0.7  | 0.7   |
| .1                        |    |       |       |       |       |       |       | 12.0  | 0.6  | 11.0  |
|                           |    |       |       |       |       |       |       | 1.0   | 0.0  | 0.0   |
|                           |    |       |       |       |       |       |       | 2.0   | 0.0  | 0.0   |
|                           |    |       |       |       |       |       |       | 2.0   | 0.0  | 0.0   |
| .1                        |    |       |       |       |       |       |       | 0.0   | 0.1  | 0.0   |
| .1                        |    |       |       |       |       |       |       | 11.0  | 0.7  | 0.0   |

//////////////////////////////////// 12.0 //////////////////////////////////

|    |    |  |  |  |  |  |  |       |     |     |
|----|----|--|--|--|--|--|--|-------|-----|-----|
| .1 | .1 |  |  |  |  |  |  | 100.0 | 0.0 | 0.0 |
|----|----|--|--|--|--|--|--|-------|-----|-----|

MONTHLY OBSERVATIONS 1980

OPERATING LOCATION NAME  
USAFSTAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH  
SPECIES OFLY AND WATER

STATION NUMBER: 726055

STATION NAME: ROAST AREA, NC

SECTION

LST TO UTC: + 5

TIME

.....

WIND DIRECTION IN DEGREES

DIRECTION  
(0-50000)

1-4

5-9

10-14

15-19

20-24

25-29

30-34

35-39

40-44

(N) 350-310

2.5

1.4

1.4

.5

020-040

1.1

4.0

2.4

.2

050-070

.1

1.0

1.1

.2

.1

(E) 030-110

.3

.4

.1

110-130

.2

.2

.1

140-160

1.7

.3

.3

(S) 170-190

1.4

.2

.2

200-220

3.4

1.0

.2

230-250

1.0

2.0

.4

.1

(W) 260-280

1.3

2.1

2.2

1.6

.4

290-310

1.1

1.2

4.3

.9

.1

.1

320-340

2.1

3.4

1.0

.3

.....  
VARIABLE

CALC

TOTALS

33.4

27.2

14.3

3.5

.8

.1

TOTAL NUMBER OF OBSERVATIONS

.....

PERCENT OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 - 14 JULY OBSERVATIONS

STATION: 444 PERIOD OF RECORD: JUL 73 - JUN 74  
 MONTH: 444 HOURS: 00-00

WIND SPEED IN KNOTS  
 0-14 15-19 20-24 25-29 30-34 35-39 40-49 50-54 55-59 TOTAL FREQ. MEDIAN  
 1 100 100

|    |    |  |  |  |  |  |  |  |      |     |     |
|----|----|--|--|--|--|--|--|--|------|-----|-----|
|    |    |  |  |  |  |  |  |  | 2.2  | 7.1 | 7.2 |
|    |    |  |  |  |  |  |  |  | 3.6  | 7.0 | 7.0 |
| .1 |    |  |  |  |  |  |  |  | 3.1  | 7.0 | 7.0 |
|    |    |  |  |  |  |  |  |  | 1.2  | 5.0 | 5.0 |
|    |    |  |  |  |  |  |  |  | 1.2  | 5.0 | 5.0 |
|    |    |  |  |  |  |  |  |  | 3.0  | 4.0 | 4.0 |
|    |    |  |  |  |  |  |  |  | 2.4  | 4.0 | 4.0 |
|    |    |  |  |  |  |  |  |  | 5.6  | 4.0 | 4.0 |
|    |    |  |  |  |  |  |  |  | 9.0  | 4.0 | 4.0 |
| .1 |    |  |  |  |  |  |  |  | 13.4 | 5.0 | 4.0 |
| .1 | .1 |  |  |  |  |  |  |  | 15.6 | 7.0 | 7.0 |
|    |    |  |  |  |  |  |  |  | 7.0  | 5.0 | 5.0 |

//////////////////// 20.0 //////////////////

|    |    |  |  |  |  |  |  |  |       |     |     |
|----|----|--|--|--|--|--|--|--|-------|-----|-----|
| .1 | .1 |  |  |  |  |  |  |  | 100.0 | 5.0 | 5.0 |
|----|----|--|--|--|--|--|--|--|-------|-----|-----|

WINDS 040



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM DAILY OBSERVATIONS

STATION NUMBER: 726098

STATION NAME: PHASE 4-4-40  
LSI TO UTC: + 5

AL

STATION:

WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| (N) 350-010            | 2.2                                  | 3.4  | 1.7   | .2    |       |       |       |       |       |
| 020-040                | 2.6                                  | 3.0  | 2.4   | .2    |       |       |       |       |       |
| 050-070                | .0                                   | 1.1  | .7    | .4    | .7    |       |       |       |       |
| (E) 080-110            | .2                                   | .2   | .1    | .3    |       |       |       |       |       |
| 110-130                | .4                                   | .2   | .0    | .1    |       |       |       |       |       |
| 140-160                | 1.4                                  | .9   | .9    |       |       |       |       |       |       |
| (S) 170-190            | 1.2                                  | .5   | .2    |       |       |       |       |       |       |
| 200-220                | 1.7                                  | 1.7  |       |       |       |       |       |       |       |
| 230-250                | 4.7                                  | 2.3  | .0    | .3    |       |       |       |       |       |
| (W) 260-280            | 5.7                                  | 3.1  | 1.9   | .2    | .3    |       |       |       |       |
| 290-310                | 1.7                                  | 5.5  | 3.0   | 1.4   |       |       |       |       |       |
| 320-340                | 4.4                                  | 3.2  | 1.7   | .4    |       |       |       |       |       |
| .....                  |                                      |      |       |       |       |       |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |
| TOTALS                 | 31.1                                 | 26.7 | 13.5  | 4.2   | .6    |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 231

FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM DAILY OBSERVATIONS

1-1-54

PERIOD OF RECORD: JUL 70 - JUL 71

MONTH: MAR DAYS: 03-05

WIND SPEED IN KNOTS

| 0-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | MEAN | STIAN |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|      |       |       |       |       |       |       |       |       |       | WIND | WIND  |

7.3 5.9 5.0

6.7 7.0 5.0

3.2 12.0 7.1

0.0 5.2 12.5

1.3 5.0 5.0

2.3 5.1 4.0

1.7 5.5 5.0

3.3 4.4 4.2

5.3 5.0 4.0

13.5 5.3 5.1

15.2 7.0 5.0

7.7 4.1 5.0

22.7

100.0 5.1 5.0

1-1-54 045 030

OPERATING LOCATION NAME  
USAFETAC, 430 VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF SIGNALS  
+18 -10 ONLY 100 VARIATIONS

STATION NUMBER: 726053

STATION NAME: 01451 481 44

DATE: 11/11/51

EST TO UTC: + 5

REMARKS: 1

.....

01451 00412 1.4 481 44

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49  
(280-315)

.....

(C) 000-010 3.4 3.7

.....

020-040 3.0 3.7 2.7 .2

.....

050-070 1.1 1.7 .5 .2 .4

.....

(C) 080-100 .3 .1 .1 .2

.....

110-130 .9 .3 .2 .2

.....

140-160 1.0 .9 .4 .4

.....

(C) 170-190 1.4 .2 .2

.....

200-220 2.1 1.9 .3

.....

230-250 1.1 1.0 .5

.....

(a) 260-280 1.0 3.2 3.3 .2 .2

.....

290-310 1.1 1.2 3.2 1.1 .2

.....

320-340 1.1 1.5 1.0 .5

.....

VARIABLE

.....

CALC

.....

TOTALS 31.5 28.9 15.8 4.2 1.2

.....

TOTAL PERCENT OF OBSERVATIONS 100

.....

10

444TH: 1A3 HJAS: 00-01

## APPENDIX 1

[illegible]

72

9.5      7.0      7.0

3.2      0.2      0.2

1. 2. 3. 7. 9.

1. 7. 1950

200 7.1 1.1

2. 4. 3

4. 2 5. 1 6. 3

6. 2. 1. 4. 2. 1.

1.2. 7.1. . . .

14. 7. 1950

11. 10. 1968

17.5 // // // // // // // //

100.0      5.0      5.0

30 JUL 1955 130

OPERATING LOCALITY NAME  
UGAFETAG, ASHVEILL, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH TYPE OF  
STRAIN DURING LAST YEAR

STATION NUMBER: 745083

STATION NAME: DEAS, ASHVEILL

EST. TO DATE: 4.5

DATE:

TIME:

WIND DIRECTION IN DEGREES

DIVISION  
(000000)

(a) 350-360

000-040

050-070

(c) 080-100

110-130

140-160

(e) 170-190

200-220

230-250

(g) 260-280

290-310

320-340

VARIABLE

CALM

TOTALS

TOTAL NUMBER OF OBSERVATIONS

ANALYSIS OF OCCURRENCE OF WIND DIRECTION VERSUS WIND SPEED  
 FROM AIRCRAFT OBSERVATIONS

DATE: 10/10/79 PERIOD OF RECORD: JUL 79 - JUN 80  
 NAME: JAP DATES: 22-11

WINDS IN KNOTS

| 0-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | TOTAL | Mean | Stdev |
|------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 10.0 | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0 | 10.0  |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|

OPERATING LOCATION: WAW  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DURING DAILY 1000-2000 HOURS

STATION NUMBER: 725085

STATION NAME: BLAD. 145 NM  
LST TO MID: + 5

UNIT: KNOTS  
PERIOD: 1

|                   |  | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |
|-------------------|--|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION (0-360) |  | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N) 350-010       |  | 1.2                 | 4.2  | 2.5   | .1    |       |       |       |       |       |       |
| 020-040           |  | .2                  | 2.4  | 1.7   | .2    | .1    |       |       |       |       |       |
| 050-070           |  | 1.4                 | 3.2  | 2.0   | .2    | .2    |       |       |       |       |       |
| (E) 080-100       |  | 2.2                 | 3.6  | 1.2   | .2    |       |       |       |       |       |       |
| 110-130           |  | 1.0                 | 7.2  | .0    |       |       |       |       |       |       |       |
| 140-160           |  | 1.1                 | 3.2  | 1.0   | .4    | .2    |       |       |       |       |       |
| (S) 170-190       |  | .2                  | 1.0  | .2    | .1    |       |       |       |       |       |       |
| 200-220           |  | 1.0                 | 1.0  | 1.2   | .2    |       |       |       |       |       |       |
| 230-250           |  | 2.1                 | 2.0  | 1.7   | .2    |       |       |       |       |       |       |
| (W) 260-280       |  | 1.2                 | 1.0  | 2.2   | 1.0   | .2    | .2    |       |       |       |       |
| 290-310           |  | .2                  | 3.1  | 5.0   | 4.2   | 1.5   | .2    |       |       |       |       |
| 320-340           |  | 1.0                 | 3.5  | 3.0   | .2    | .1    |       |       |       |       |       |
| TOTALS            |  | 16.7                | 41.0 | 22.7  | 3.3   | 2.0   | .0    |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS: 40

DENSITY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM 1000LY OBSERVATIONS

| STATION       |       | PERIOD OF RECORD: JUL 79 - JUN 80 |       |       |       |       |               |      |      |      |      |
|---------------|-------|-----------------------------------|-------|-------|-------|-------|---------------|------|------|------|------|
|               |       | MONTH: MAR                        |       |       |       |       | MONTHS: 12-14 |      |      |      |      |
| .....         |       |                                   |       |       |       |       |               |      |      |      |      |
| WIND IN KNOTS |       |                                   |       |       |       |       |               |      |      |      |      |
| 2-24          | 25-34 | 35-44                             | 45-54 | 55-64 | 65-74 | 75-84 | TOTAL         | 100% | 100% | 100% | 100% |
|               |       |                                   |       |       |       |       | WIND          | WIND | WIND | WIND | WIND |
| .....         |       |                                   |       |       |       |       |               |      |      |      |      |
|               |       |                                   |       |       |       |       | 7.7           | 5.1  | 3.0  |      |      |
| 1.1           |       |                                   |       |       |       |       | 5.3           | 3.3  | 7.0  |      |      |
|               |       |                                   |       |       |       |       | 7.5           | 4.2  | 5.0  |      |      |
|               |       |                                   |       |       |       |       | 7.0           | 4.2  | 5.0  |      |      |
|               |       |                                   |       |       |       |       | 9.4           | 5.4  | 5.0  |      |      |
|               |       |                                   |       |       |       |       | 7.2           | 4.5  | 5.0  |      |      |
|               |       |                                   |       |       |       |       | 2.4           | 0.1  | 0.0  |      |      |
|               |       |                                   |       |       |       |       | 4.1           | 1.0  | 2.0  |      |      |
|               |       |                                   |       |       |       |       | 1.5           | 1.0  | 1.0  |      |      |
| 1.1           |       |                                   |       |       |       |       | 11.7          | 10.0 | 11.0 |      |      |
| 1.0           |       |                                   |       |       |       |       | 15.2          | 14.0 | 15.0 |      |      |
| 1.1           |       |                                   |       |       |       |       | 0.1           | 0.1  | 0.0  |      |      |
| .....         |       |                                   |       |       |       |       |               |      |      |      |      |

////////////////////////////////////// 2.7 //////////////////////////////////////  
 100.0 1.0 5.0

100% SURFACE WIND



OPERATING LOCATION NAME  
USAFETAS, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM 100-140 KNOTS

STATION NUMBER : 706165

STATION NAME: BRASL AND W  
LST TO UTC: + 4

PERIOD  
100-140 KNOTS

.....  
DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49  
(050-099)

.....  
(N) 350-010 .3 2.3 1.2 .1

.....  
020-040 2.5 2.4 1.4 .1 .1

.....  
050-070 1.4 2.2 2.2 .4

.....  
(E) 080-110 2.5 2.2 1.3

.....  
110-140 2.7 6.2 .1

.....  
150-160 1.7 2.4 3.5 .2 .2

.....  
(S) 170-190 .4 1.2 .9

.....  
200-220 1.5 1.1 1.1 .1

.....  
230-250 1.2 1.6 1.2 .2

.....  
(4) 260-280 1.1 3.2 4.2 1.2 .2

.....  
290-310 1.1 5.2 7.0 4.4 1.3 .1

.....  
320-340 .8 3.4 4.5 1.5 1.0 .1

.....  
VARIABLE

.....  
CALM //////////////////////////////////////

.....  
TOTALS 15.4 33.9 33.0 3.3 3.7 .2

.....  
TOTAL NUMBER OF OBSERVATIONS 940

NAME: [REDACTED] DOB: 08-71 - 08-71  
 NAME: [REDACTED] DOB: 10-17

| 1957-58 |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1       | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      |
| 1957-58 | 1958-59 | 1959-60 | 1960-61 | 1961-62 | 1962-63 | 1963-64 | 1964-65 | 1965-66 | 1966-67 |
| 1       | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      |
| 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      |
| 21      | 22      | 23      | 24      | 25      | 26      | 27      | 28      | 29      | 30      |
| 31      | 32      | 33      | 34      | 35      | 36      | 37      | 38      | 39      | 40      |
| 41      | 42      | 43      | 44      | 45      | 46      | 47      | 48      | 49      | 50      |
| 51      | 52      | 53      | 54      | 55      | 56      | 57      | 58      | 59      | 60      |
| 61      | 62      | 63      | 64      | 65      | 66      | 67      | 68      | 69      | 70      |
| 71      | 72      | 73      | 74      | 75      | 76      | 77      | 78      | 79      | 80      |
| 81      | 82      | 83      | 84      | 85      | 86      | 87      | 88      | 89      | 90      |
| 91      | 92      | 93      | 94      | 95      | 96      | 97      | 98      | 99      | 100     |
| 101     | 102     | 103     | 104     | 105     | 106     | 107     | 108     | 109     | 110     |
| 111     | 112     | 113     | 114     | 115     | 116     | 117     | 118     | 119     | 120     |
| 121     | 122     | 123     | 124     | 125     | 126     | 127     | 128     | 129     | 130     |
| 131     | 132     | 133     | 134     | 135     | 136     | 137     | 138     | 139     | 140     |
| 141     | 142     | 143     | 144     | 145     | 146     | 147     | 148     | 149     | 150     |
| 151     | 152     | 153     | 154     | 155     | 156     | 157     | 158     | 159     | 160     |
| 161     | 162     | 163     | 164     | 165     | 166     | 167     | 168     | 169     | 170     |
| 171     | 172     | 173     | 174     | 175     | 176     | 177     | 178     | 179     | 180     |
| 181     | 182     | 183     | 184     | 185     | 186     | 187     | 188     | 189     | 190     |
| 191     | 192     | 193     | 194     | 195     | 196     | 197     | 198     | 199     | 200     |
| 201     | 202     | 203     | 204     | 205     | 206     | 207     | 208     | 209     | 210     |
| 211     | 212     | 213     | 214     | 215     | 216     | 217     | 218     | 219     | 220     |
| 221     | 222     | 223     | 224     | 225     | 226     | 227     | 228     | 229     | 230     |
| 231     | 232     | 233     | 234     | 235     | 236     | 237     | 238     | 239     | 240     |
| 241     | 242     | 243     | 244     | 245     | 246     | 247     | 248     | 249     | 250     |
| 251     | 252     | 253     | 254     | 255     | 256     | 257     | 258     | 259     | 260     |
| 261     | 262     | 263     | 264     | 265     | 266     | 267     | 268     | 269     | 270     |
| 271     | 272     | 273     | 274     | 275     | 276     | 277     | 278     | 279     | 280     |
| 281     | 282     | 283     | 284     | 285     | 286     | 287     | 288     | 289     | 290     |
| 291     | 292     | 293     | 294     | 295     | 296     | 297     | 298     | 299     | 300     |
| 301     | 302     | 303     | 304     | 305     | 306     | 307     | 308     | 309     | 310     |
| 311     | 312     | 313     | 314     | 315     | 316     | 317     | 318     | 319     | 320     |
| 321     | 322     | 323     | 324     | 325     | 326     | 327     | 328     | 329     | 330     |
| 331     | 332     | 333     | 334     | 335     | 336     | 337     | 338     | 339     | 340     |
| 341     | 342     | 343     | 344     | 345     | 346     | 347     | 348     | 349     | 350     |
| 351     | 352     | 353     | 354     | 355     | 356     | 357     | 358     | 359     | 360     |
| 361     | 362     | 363     | 364     | 365     | 366     | 367     | 368     | 369     | 370     |
| 371     | 372     | 373     | 374     | 375     | 376     | 377     | 378     | 379     | 380     |
| 381     | 382     | 383     | 384     | 385     | 386     | 387     | 388     | 389     | 390     |
| 391     | 392     | 393     | 394     | 395     | 396     | 397     | 398     | 399     | 400     |
| 401     | 402     | 403     | 404     | 405     | 406     | 407     | 4       |         |         |

Figure 1. *Phylogenetic tree of the 18S rDNA sequences of the 10 species of the genus *Phlebotomus* based on the maximum parsimony method. The scale bar represents 0.1 substitutions per site. The numbers at the nodes indicate the bootstrap values. The species names are given at the tips of the branches. The scale bar represents 0.1 substitutions per site. The numbers at the nodes indicate the bootstrap values. The species names are given at the tips of the branches.*

• • • • • 7.1 • • •

1.  $\frac{1}{2}$  2.  $\frac{1}{2}$  3.  $\frac{1}{2}$  4.  $\frac{1}{2}$  5.  $\frac{1}{2}$  6.  $\frac{1}{2}$  7.  $\frac{1}{2}$  8.  $\frac{1}{2}$  9.  $\frac{1}{2}$  10.  $\frac{1}{2}$

*Journal of Management Education* 30(9) 987-1006

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

15. 1. 1971

[illegible]

..... 3.0 .....

1. *Journal of the American Medical Association*, 1997; 277: 1033-1038.

.....

OPERATING LOCATION: WAM  
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OBSERVED DEFECTS  
FROM 1/1/67 TO 1/31/67

STATION: 350-310

STATION: 350-310

DATE: 1/31/67

LSL IC 012: + 5

TIME: 10:00

.....

DIPNET  
(NO 110)

1-9 9-9 10-10 11-11 12-12 13-13 14-14 15-15 16-16 17-17 18-18 19-19 20-20 21-21 22-22 23-23 24-24 25-25 26-26 27-27 28-28 29-29 30-30 31-31 32-32 33-33 34-34 35-35 36-36 37-37 38-38 39-39 40-40 41-41 42-42 43-43 44-44 45-45 46-46 47-47 48-48 49-49 50-50 51-51 52-52 53-53 54-54 55-55 56-56 57-57 58-58 59-59 60-60 61-61 62-62 63-63 64-64 65-65 66-66 67-67 68-68 69-69 70-70 71-71 72-72 73-73 74-74 75-75 76-76 77-77 78-78 79-79 80-80 81-81 82-82 83-83 84-84 85-85 86-86 87-87 88-88 89-89 90-90 91-91 92-92 93-93 94-94 95-95 96-96 97-97 98-98 99-99 100-100

WIND SPEED: 14 MPH

(9) 350-310 1.2 2.2 1.1

100-100 1.2 3.4 2.0 .1 .2

150-150 1.2 1.0 1.0 .2

(5) 000-100 1.4 1.3 .4

110-110 1.0 2.3 .1

140-140 1.0 1.7 .2 .2

(5) 170-170 1.0 2.7 .2

200-200 1.0 1.5 .2 .2

230-230 1.0 1.4 .2 .1

(4) 260-260 1.2 2.2 1.1 1.0 .2

290-290 1.0 1.3 1.1 1.0 .2

320-320 1.0 1.1 1.0 1.0 .1

.....

VARIABLE

ONLY //////////////////////////////////////

TOTALS 22.5 44.4 1.1 4.1 1.7

TOTAL 1140.0 HOURS OF OBSERVATIONS

.....

RELATIONSHIP OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 AT ONLY 1000 HOURS

STATION: MAR 1973 - JUL 73  
 MONTH: MAR HOURS: 12-20

| WIND SPEED IN KNOTS                  |       |       |       |       |       | TOTAL | WIND                             | WIND                             |
|--------------------------------------|-------|-------|-------|-------|-------|-------|----------------------------------|----------------------------------|
| 12-14                                | 15-17 | 18-20 | 21-23 | 24-26 | 27-29 |       |                                  |                                  |
|                                      |       |       |       |       |       | 4.2   | 5.1                              | 5.2                              |
| .0                                   |       |       |       |       |       | .5    | 5.5                              | 5.5                              |
|                                      |       |       |       |       |       | 5.4   | 5.7                              | 5.1                              |
|                                      |       |       |       |       |       | 3.1   | 5.4                              | 5.2                              |
|                                      |       |       |       |       |       | 5.4   | 5.5                              | 4.2                              |
| .1                                   |       |       |       |       |       | 11.1  | 5.5                              | 5.2                              |
|                                      |       |       |       |       |       | 3.2   | 5.5                              | 5.5                              |
|                                      |       |       |       |       |       | 3.7   | 5.5                              | 5.5                              |
| .2                                   |       |       |       |       |       | 3.5   | 5.5                              | 5.5                              |
| .3                                   |       |       |       |       |       | 11.5  | 5.7                              | 5.5                              |
| .4                                   |       |       |       |       |       | 14.5  | 5.5                              | 5.5                              |
| .5                                   |       |       |       |       |       | 11.5  | 5.5                              | 5.5                              |
| //////////////////////////////////// |       |       |       |       |       | 15.5  | //////////////////////////////// | //////////////////////////////// |
| 1.7                                  |       |       |       |       |       | 105.5 | 5.5                              | 5.5                              |

WIND SPEED IN KNOTS 100

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH WIND  
DIRECTION DURING PERIOD

STATION NUMBER: 705046

STATION NAME: FAS AREA 04

DATE: 10/1/54

EST. TO VIC: + 5

TIME: 11:00

WIND SPEED IN KNOTS

DIRECTION  
(DEGREES)

1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(N) 350-010

1.3 2.5 2.4

020-040

1.0 3.5 2.0 1.4

050-070

1.1 .9 .5 .3

(E) 080-100

.5 1.1 .2

110-130

.5 .5 .2

140-160

1.2 1.7 .5 .1

(S) 170-190

2.7 .5 .2

200-210

1.1 2.7 .

230-240

1. 1.5 .5

(4) 250-270

4.5 3.0 1.0 .5 .3

280-310

3.1 5.7 4.5 1.1 .5

320-340

4.1 5.5 1.2 .

VARIABLE

CAL

////////////////////

TOTALS

31.2 30.2 17.1 3.1 .

TOTAL NUMBER OF OBSERVATIONS 735

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM GLOBE BASE VARIATIONS

REF: 14 PERIOD OF RECORD: JUL 79 - JUL 80  
MONTH: MAY HOURS: 21-23

.....  
WIND SPEED IN KNOTS  
10-14 20-24 30-34 35-39 40-44 50-54 55-59 TOTAL MEAN MEDIAN  
2 411 470  
.....  
8.7 7.2 7.5

4.1 7.4 7.3

2.9 7.4 6.0

2.4 7.1 7.2

1.4 6.6 6.0

0.7 6.6 4.4

0.1 4.0 3.2

0.0 5.2 5.0

0.1 4.8 4.0

12.1 6.7 7.0

10.7 6.5 6.7

12.0 6.7 6.4

17.6

100.0 6.7 6.0

NO. OF VARIATIONS 330

OPERATING LOCALITY "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
DATA DURING OBSERVATION

STATION NUMBER: 725055

STATION NAME: PEASE AFB  
LST TO PIC: + 5

DATE:  
MONTH:

WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| (W) 350-010            | 1.8 | 3.2 | 1.9   | .2    |       |       |       |       |       |
| 020-040                | 2.2 | 3.6 | 2.2   | .2    | .1    |       |       |       |       |
| 050-070                | 1.1 | 1.5 | 1.3   | .3    | .2    |       |       |       |       |
| (S) 080-100            | 1.1 | 1.2 | .7    | .1    |       |       |       |       |       |
| 110-130                | 1.4 | 2.2 | .4    | .1    |       |       |       |       |       |
| 140-160                | 2.2 | 3.6 | 1.1   | .2    | .1    |       |       |       |       |
| (S) 170-190            | 1.5 | 1.1 | .4    | .6    |       |       |       |       |       |
| 200-220                | 1.5 | 1.4 | .7    | .1    |       |       |       |       |       |
| 230-250                | 2.2 | 2.4 | .7    | .1    | .3    |       |       |       |       |
| (W) 260-280            | 3.0 | 4.0 | 3.4   | 1.1   | .5    | .1    |       |       |       |
| 290-310                | 3.1 | 3.0 | 2.0   | 2.4   | .7    | .1    |       |       |       |
| 320-340                | 3.0 | 4.0 | 2.9   | .7    | .2    | .2    |       |       |       |

VARIABLE

CALC

TOTALS 24.1 32.1 20.7 8.5 1.2 .1

TOTAL NUMBER OF OBSERVATIONS 7447

AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM AIRCRAFT OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUL 77  
MONTH: MAR HOURS: ALL

| WIND SPEED IN KNOTS |       |       |       |       |       |       | TOTAL | MEAN     | MODIAN   |
|---------------------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| 0-9                 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 |       |          |          |
|                     |       |       |       |       |       |       | 7.1   | 7.4      | 7.0      |
|                     |       |       |       |       |       |       | 4.2   | 7.3      | 7.0      |
|                     |       |       |       |       |       |       | 4.7   | 6.3      | 6.0      |
|                     |       |       |       |       |       |       | 3.0   | 6.6      | 6.0      |
|                     |       |       |       |       |       |       | 4.1   | 6.1      | 6.0      |
|                     |       |       |       |       |       |       | 5.0   | 6.3      | 6.0      |
|                     |       |       |       |       |       |       | 3.0   | 6.3      | 6.0      |
|                     |       |       |       |       |       |       | 6.3   | 6.0      | 6.0      |
|                     |       |       |       |       |       |       | 6.0   | 6.0      | 6.0      |
| 0.1                 | 0.1   |       |       |       |       |       | 12.0  | 6.2      | 6.0      |
| 0.2                 | 0.1   |       |       |       |       |       | 16.1  | 6.6      | 6.0      |
| 0.3                 | 0.2   |       |       |       |       |       | 16.0  | 7.0      | 7.0      |
|                     |       |       |       |       |       |       | 13.0  | //////// | //////// |
| 1.0                 | 0.1   |       |       |       |       |       | 100.2 | 6.5      | 7.0      |
| OBSERVATIONS 7440   |       |       |       |       |       |       |       |          |          |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND AT  
FROM JOINTLY BASE VATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PERIOD: 1  
MONTH: 1

CATEGORY A: CEILING GT 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MILE  
AND/OR

VISIBILITY GE 1/2 MILE (900 METERS) BUT LESS THAN 3 MILES (4800 METERS)

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-  
(DEGREES)

(N) 350-010 3.2 3.0 4.0 .5

020-040 4.1 11.3 3.0 1.0 .1

050-070 2.0 2.3 3.7 .4 .5

(E) 080-100 1.5 1.4 2.0 .3

110-130 .7 1.4 1.1 .5

140-160 1.1 1.0 1.5 1.0 .5

(S) 170-190 .2 1.1 1.1 .2

200-220 1.5 .3 .4

230-250 .1 .1

(W) 260-280 1.4 .3 .3

290-310 1.5 .5 .2 .1

320-340 3.2 4.3 1.4 .2

VARIABLE

CALM //

TOTALS 22.2 37.8 25.2 5.1 1.5

TOTAL NUMBER OF OBSERVATIONS 1247

C - 4 - 30

A



OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM ALL OBSERVATIONS

STATION NUMBER: 735095

STATION NAME: PRASL AFB, NC  
LST TO UTC: + 5

PERIOD  
434141

WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | 95-99 |
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| (N) 350-010            | 2.9 | 2.0 | 1.3   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 020-040                | 4.3 | 2.4 | 1.9   | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 050-070                | 1.6 | 2.1 | 1.0   | 1.0   | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (S) 080-100            | .2  | 1.2 | .6    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 110-130                | 1.2 | .9  | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 140-160                | 2.0 | 1.6 | .4    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (S) 170-190            | 2.0 | .2  | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 200-220                | 2.1 | 2.3 | .1    | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 230-250                | 2.1 | 1.2 | .1    | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (N) 260-280            | 1.0 | 7.0 | .7    | .3    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 290-310                | 3.1 | 4.3 | 2.0   | .5    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 320-340                | 4.2 | 3.7 | .1    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

VARIABLE

CALC

TOTALS

33.5 33.5 10.0 2.5 .3

TOTAL NUMBER OF OBSERVATIONS 400

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 - 24 HOURS OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 80  
 MONTH: APR HOURS: 20-02

.....  
 1. SPEED IN KNOTS  
 0-24 25-29 30-34 35-39 40-49 50-54 55-59 TOTAL MEAN 4-DIGIT  
 2 310 410

.....  
 7.1 5.3 5.0

.....  
 2.2 4.0 5.0

.....  
 5.0 4.1 5.0

.....  
 2.5 5.7 7.0

.....  
 2.0 4.4 4.0

.....  
 5.1 5.0 4.0

.....  
 2.2 4.0 3.0

.....  
 5.4 5.2 4.0

.....  
 5.7 5.0 4.0

.....  
 13.0 5.3 7.2

.....  
 10.8 5.0 5.0

.....  
 5.1 5.0 5.0

.....  
 ////////////////////////////////// 20.0 //////////////////////////////////

.....  
 100.0 4.6 5.0

.....  
 15 140 1410 1420

OPERATING LOCATION NAME  
USAFETAC, ASH-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM ALL DIRECTIONAL OBSERVATIONS

STATION NUMBER: 726555

STATION NAME: DEASE AFB, NC  
LST TO UTC: + 5

DATE: 10/1/54  
MONTH: 10

..... WIND SPEED 10-40 KTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-54  
(DEGREES)

.....  
(N) 350-010 .2 .3 .4 .3

..... 020-030 .2 .4 .2 .1 .1

..... 050-070 .1 .1 .1 .2 .2

..... (E) 080-100 .3 .2 .6

..... 110-130 .1 .4 .5 .1

..... 140-160 .2 .7 .2 .1

..... (S) 170-190 .2 .2

..... 200-220 .3 .2 .3

..... 230-250 .3 .3 .7

..... (O) 260-280 .3 .2 .4 .3

..... 290-310 .1 .2 .1 .2 .1

..... 320-340 .2 .3 .4 .1

.....  
VARIABLE

CALC //

TOTALS 31.4 31.4 9.4 2.4 .4

TOTAL NUMBER OF OBSERVATIONS 900

PRECEDENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 74  
MONTH: APR HOURS: 03-05

WINDS IN KNOTS

| 25-27 | 30-34 | 35-39 | 40-49 | 50-64 | 65-69 | TOTAL | WIND | WIND |
|-------|-------|-------|-------|-------|-------|-------|------|------|
|       |       |       |       |       |       | 7.1   | 5.2  | 5.2  |

|      |     |     |
|------|-----|-----|
| 11.0 | 5.2 | 5.2 |
|------|-----|-----|

|     |     |     |
|-----|-----|-----|
| 5.2 | 7.2 | 7.2 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 2.2 | 2.7 | 2.2 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 6.0 | 5.7 | 5.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 3.0 | 4.7 | 4.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 1.2 | 2.1 | 3.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 5.1 | 4.7 | 4.0 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 7.4 | 5.0 | 4.0 |
|-----|-----|-----|

|      |     |     |
|------|-----|-----|
| 12.7 | 5.1 | 4.5 |
|------|-----|-----|

|      |     |     |
|------|-----|-----|
| 11.0 | 7.1 | 4.0 |
|------|-----|-----|

|     |     |     |
|-----|-----|-----|
| 2.2 | 6.0 | 4.0 |
|-----|-----|-----|

|      |     |     |
|------|-----|-----|
| 10.7 | 6.7 | 5.0 |
|------|-----|-----|

|       |     |     |
|-------|-----|-----|
| 100.0 | 6.7 | 5.0 |
|-------|-----|-----|

PRECEDENCE SURFACE WIND DIRECTION VERSUS WIND SPEED

OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
ACROSS ONLY OBSERVATIONS

STATION NUMBER: 725056

STATION NAME: PLASE AREA  
LST TO UTC: + 5

TIME  
DATE: 1

|                        |  | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |
|------------------------|--|--------------------------------------|------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES) |  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-40 |
| (N) 350-010            |  | 2.1                                  | 4.0  | 1.2   | .2    |       |       |       |       |
| 020-040                |  | 3.2                                  | 4.6  | 3.4   | .1    | .1    |       |       |       |
| 050-070                |  | 2.0                                  | 2.0  | 2.1   | .3    | .1    |       |       |       |
| (E) 080-140            |  | .3                                   | 1.5  | .6    |       |       |       |       |       |
| 110-130                |  | .3                                   | 1.3  | .7    | .2    | .1    |       |       |       |
| 140-160                |  | 2.2                                  | .4   | .3    |       |       |       |       |       |
| (S) 170-190            |  | 1.5                                  | .4   |       |       |       |       |       |       |
| 200-220                |  | 2.4                                  | 1.7  | .7    |       |       |       |       |       |
| 230-250                |  | 4.1                                  | 3.7  | .6    |       |       |       |       |       |
| (4) 260-280            |  | 4.0                                  | 3.0  | 2.3   | .3    |       |       |       |       |
| 290-310                |  | 2.2                                  | 4.1  | 3.7   | 1.4   | .3    | .1    |       |       |
| 320-340                |  | 3.7                                  | 3.0  | 2.3   | .4    |       |       |       |       |
| .....                  |  |                                      |      |       |       |       |       |       |       |
| VARIABLE               |  |                                      |      |       |       |       |       |       |       |
| CALC                   |  | //////////////////////////////////// |      |       |       |       |       |       |       |
| TOTALS                 |  | 21.5                                 | 34.5 | 13.2  | 2.9   | .5    | .1    |       |       |

TOTAL NUMBER OF OBSERVATIONS: 100

PACK OF ACCUMULATED SURFACE AND DEPTH DATA VERSUS WIND SPEED  
 FROM JULY OBSERVATIONS

PERIOD OF RECORD: JUL 70 - JUL 71  
 STATION: ARS ID: 06-01

SPOT IN CHITS

| 0-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-80 | TOTAL | MEAN | STDEV |
|------|-------|-------|-------|-------|-------|-------|------|-------|
|      |       |       |       |       |       | 4     | 41.0 |       |
|      |       |       |       |       |       | 7.7   | 2.2  | 2.0   |
| .1   |       |       |       |       |       | 11.4  | 7.1  | 7.0   |
| .1   |       |       |       |       |       | 1.1   | .1   | .0    |
|      |       |       |       |       |       | 2.1   | 0.5  | 5.0   |
| .1   |       |       |       |       |       | 3.1   | 1.3  | 7.5   |
|      |       |       |       |       |       | 2.1   | 0.6  | 6.0   |
|      |       |       |       |       |       | 2.0   | 3.5  | 3.0   |
|      |       |       |       |       |       | 4.0   | 3.7  | 5.0   |
|      |       |       |       |       |       | .3    | 4.0  | 5.0   |
|      |       |       |       |       |       | 12.3  | 5.7  | 5.0   |
| .5   | .1    |       |       |       |       | 12.3  | .0   | 5.0   |
|      |       |       |       |       |       | 9.0   | 5.0  | 7.0   |

//////////////////////////////////// 14.0 //////////////////////////////////

|    |    |  |  |  |  |       |     |     |
|----|----|--|--|--|--|-------|-----|-----|
| .5 | .1 |  |  |  |  | 100.0 | 5.0 | 5.0 |
|----|----|--|--|--|--|-------|-----|-----|

WIND OBSERVATIONS 000



OPERATING LOCATION NAME  
USAFSTAD, ASHEVILLE NC

POPULATION AGENCY OF RECORD AT 10-1-61  
FROM 20020-10-1-61

STATION NUMBER: 715085

STATION NAME: WADSWORTH  
LST ID: 2121 + 01

STATION  
ID: 715085

WADSWORTH ID: 715085

DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(250000S)

(N) 350-010 2.0 2.0 2.1 .2

020-040 1.1 3.3 3.1 .4 .1

050-070 1.0 4.3 3.7 1.0 .7

(C) 080-100 1.2 4.6 1.3 .1

110-130 1.1 4.2 1.6 .1

140-160 1.2 2.2 1.4 .1 .1

(S) 170-190 1.0 2.7 .1

200-220 1.7 3.1 1.2 .1

230-250 1.1 2.9 .6 .4

(R) 260-280 1.2 2.2 2.3 .7

310-330 1.0 2.7 3.3 3.3 1.1

400-420 1.0 2.7 3.3 .7 .1 .1

WADSWORTH

CALC: //////////////////////////////////////

TOTALS 10.6 30.4 27.0 7.0 1.5 .1

TOTAL NUMBER OF STATIONS: 10

# INCIDENTAL OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM JULY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: APR MONTHS: 00-11

WIND SPEED IN KNOTS  
0-9 10-19 20-29 30-39 40-49 50-59 60-69 TOTAL 0-19 20-29 30-39

|     |    |  |  |  |  |  |      |      |      |
|-----|----|--|--|--|--|--|------|------|------|
|     |    |  |  |  |  |  | 5.2  | 7.4  | 7.3  |
| .1  |    |  |  |  |  |  | 0.1  | 0.1  | 0.0  |
| .2  |    |  |  |  |  |  | 10.1 | 3.1  | 0.0  |
|     |    |  |  |  |  |  | 5.2  | 7.3  | 7.1  |
|     |    |  |  |  |  |  | 0.0  | 3.4  | 0.0  |
| .1  |    |  |  |  |  |  | 0.0  | 7.1  | 7.1  |
|     |    |  |  |  |  |  | 1.1  | 0.1  | 0.0  |
|     |    |  |  |  |  |  | 0.0  | 0.0  | 0.0  |
|     |    |  |  |  |  |  | 7.1  | 0.1  | 0.0  |
|     |    |  |  |  |  |  | 10.1 | 10.1 | 7.1  |
| 1.0 |    |  |  |  |  |  | 13.1 | 11.1 | 11.1 |
| .1  | .1 |  |  |  |  |  | 0.0  | 0.0  | 0.0  |

//////////////////////////////////// 5.2 //////////////////////////////////

1.0 .1 100.2 7.7 0.0

WIND DIRECTION 0-1  
////////////////////////////////////

OPERATING LOCATION NAME  
USAFITAD, ASH VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION  
FROM DAILY OBSERVATIONS

STATION NUMBER: 720356

STATION NAME: PEASE AFB IN

EST TO HIC: + 5

DATE: 1-1-61

TIME: 14

WIND SPEED IN KNOTS

DIRECTION  
(050-090)

1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-54

(N) 350-010

.3 .0 .0 .1 .0 .0 .0 .0 .0 .0

020-040

.0 2.4 2.1 .6 .0 .0 .0 .0 .0 .0

050-070

1.0 2.0 2.1 .2 .2 .0 .0 .0 .0 .0

(E) 080-100

.7 2.3 3.2 .3 .2 .0 .0 .0 .0 .0

110-130

2.6 12.0 2.0 .4 .0 .0 .0 .0 .0 .0

140-160

1.1 1.4 2.7 .4 .0 .0 .0 .0 .0 .0

(S) 170-190

.0 1.4 .7 .0 .0 .0 .0 .0 .0 .0

200-220

.0 1.0 1.0 .0 .0 .0 .0 .0 .0 .0

230-250

1.1 3.7 1.4 .2 .0 .0 .0 .0 .0 .0

(W) 260-280

.7 3.3 4.7 .0 .1 .0 .0 .0 .0 .0

290-310

.2 1.0 5.0 3.6 .3 .0 .0 .0 .0 .0

320-340

.4 2.0 2.0 1.0 .0 .0 .0 .0 .0 .0

VARIABLE

CALC

TOTAL

10.4 44.0 35.0 5.7 1.0 .0 .0 .0 .0 .0

TOTAL NUMBER OF OBSERVATIONS 100

INCIDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

| STATION                              |       | PERIOD OF RECORD: JUL 79 - JUL 80 |       |       |       |       |       | MONTH: APR |                                  | HOURS: 12-14 |  |
|--------------------------------------|-------|-----------------------------------|-------|-------|-------|-------|-------|------------|----------------------------------|--------------|--|
| .....                                |       |                                   |       |       |       |       |       |            |                                  |              |  |
| SPECIFIC COMMENTS                    |       |                                   |       |       |       |       |       |            |                                  |              |  |
| 04                                   | 05-14 | 15-24                             | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | TOTAL      | MEAN                             | MEDIAN       |  |
|                                      |       |                                   |       |       |       |       |       | 1          | 11.0                             | 11.0         |  |
| .....                                |       |                                   |       |       |       |       |       |            |                                  |              |  |
|                                      |       |                                   |       |       |       |       |       | 4.7        | 3.2                              | 3.5          |  |
|                                      |       |                                   |       |       |       |       |       | 5.7        | 3.3                              | 3.5          |  |
|                                      |       |                                   |       |       |       |       |       | 5.2        | 3.5                              | 10.0         |  |
|                                      |       |                                   |       |       |       |       |       | 10.2       | 11.2                             | 10.0         |  |
|                                      |       |                                   |       |       |       |       |       | 17.3       | 7.5                              | 3.0          |  |
|                                      |       |                                   |       |       |       |       |       | 5.7        | 3.4                              | 3.0          |  |
|                                      |       |                                   |       |       |       |       |       | 2.7        | 7.2                              | 3.0          |  |
|                                      |       |                                   |       |       |       |       |       | 4.5        | 1.1                              | 3.0          |  |
|                                      |       |                                   |       |       |       |       |       | 5.4        | 7.4                              | 7.0          |  |
|                                      |       |                                   |       |       |       |       |       | 3.3        | 13.3                             | 10.0         |  |
|                                      |       |                                   |       |       |       |       |       | 12.7       | 13.3                             | 13.0         |  |
|                                      |       |                                   |       |       |       |       |       | 7.4        | 11.0                             | 11.0         |  |
| .....                                |       |                                   |       |       |       |       |       |            |                                  |              |  |
| //////////////////////////////////// |       |                                   |       |       |       |       |       | 1.2        | //////////////////////////////// |              |  |
|                                      |       |                                   |       |       |       |       |       | 100.0      | 3.1                              | 3.0          |  |

REMARKS: (9)

OPERATING LOCATION: MAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WINDS  
FROM ALL PLY 300 OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH

PERIOD:

LSI TO MIC: 4-8

DATE: 4

|                        |  | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |
|------------------------|--|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(070-155) |  | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N) 350-010            |  | .5                  | 2.6  | 1.4   | .1    |       |       |       |       |       |       |
| 020-040                |  | 1.0                 | 1.7  | 1.9   | .3    |       |       |       |       |       |       |
| 050-070                |  | 1.4                 | 4.2  | 1.6   | .3    | .1    |       |       |       |       |       |
| (E) 040-130            |  | 1.2                 | 4.4  | 2.2   | .3    | .2    |       |       |       |       |       |
| 110-140                |  | 3.3                 | 11.2 | 2.7   | .1    |       |       |       |       |       |       |
| 140-160                |  | 2.3                 | 4.1  | 5.3   | .7    |       |       |       |       |       |       |
| (S) 170-180            |  | .3                  | 1.3  | .5    | .1    |       |       |       |       |       |       |
| 200-220                |  | .6                  | 1.6  | .1    |       |       |       |       |       |       |       |
| 230-250                |  | .6                  | 2.1  | 1.7   |       |       |       |       |       |       |       |
| (4) 260-280            |  | .2                  | 3.3  | 4.4   | .2    |       |       |       |       |       |       |
| 290-310                |  | .4                  | 2.1  | 5.3   | 1.4   | .6    |       |       |       |       |       |
| 320-340                |  | .4                  | 2.3  | 2.7   | 2.1   | .7    |       |       |       |       |       |
| TOTALS                 |  | 14.1                | 43.3 | 32.4  | 5.0   | 1.5   |       |       |       |       |       |

VARIABLE

CAUSE

TOTAL NUMBER OF OBSERVATIONS: 400



OPERATING LOCATION: WAW  
USAFETAC, ASBVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE SIMILARITY  
FOR ALL DATA OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PRASE, A.S. 111  
LST T1 UTC: + 5

PERIOD:  
MONTH: 11

WIND SPEED IN KNOTS

| DIRECTION:<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-59 |
|-------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| (N) 350-010             | .3                                   | 2.7  | .0    | .4    |       |       |       |       |       |       |
| 020-040                 | 1.2                                  | 3.1  | 2.1   | .1    |       |       |       |       |       |       |
| 050-070                 | 2.9                                  | 2.6  | .4    | .3    | .1    |       |       |       |       |       |
| (E) 080-100             | 3.2                                  | 2.1  | 1.1   |       |       |       |       |       |       |       |
| 110-130                 | 4.1                                  | 4.6  | .0    | .2    | .3    |       |       |       |       |       |
| 140-160                 | 4.7                                  | 3.2  | .9    |       |       |       |       |       |       |       |
| (S) 170-190             | 3.2                                  | 2.4  | .3    |       |       |       |       |       |       |       |
| 200-220                 | 2.1                                  | 1.9  | .4    | .3    |       |       |       |       |       |       |
| 230-250                 | 2.2                                  | 1.7  | .3    |       |       |       |       |       |       |       |
| (O) 260-280             | 2.2                                  | 2.0  | 1.7   | .1    |       |       |       |       |       |       |
| 290-310                 | 2.7                                  | 5.4  | 3.5   | .4    | .3    | .1    |       |       |       |       |
| 320-340                 | 1.2                                  | 2.3  | 1.3   | 1.2   | .1    |       |       |       |       |       |
| .....                   |                                      |      |       |       |       |       |       |       |       |       |
| VARIABLE                |                                      |      |       |       |       |       |       |       |       |       |
| CALC                    | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |
| TOTALS                  | 33.2                                 | 35.3 | 14.1  | 3.8   | .6    | .1    |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS: 900

# INCIDENT OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 72 - JUN 81  
 MONTH: APR HOURS: 12-20

WIND SPEED IN KNOTS

| 04-09-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | TOTAL | MEAN | MODIAN |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
|          |       |       |       |       |       |       |       |       |       |       |       | 7     | 4.0  | 4.0    |

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 4.8 | 8.3 | 7.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 6.6 | 7.9 | 6.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 7.2 | 7.0 | 6.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 6.2 | 6.4 | 5.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 10.0 | 6.3 | 5.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 16. | 6.7 | 6.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 5.2 | 4.2 | 4.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 4.3 | 5.6 | 5.1 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 4.0 | 5.0 | 4.6 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 5.0 | 5.1 | 5.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 12.3 | 6.3 | 6.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 6.7 | 5.1 | 5.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

//////////////////////////////////// 10.3 //////////////////////////////////

|  |  |  |  |  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  |  | 100.0 | 6.0 | 5.0 |
|--|--|--|--|--|--|--|--|--|--|--|--|-------|-----|-----|

NO. OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM ALL PLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB TN

PERIOD: 1

LST TO UTC: + 5

MOY: 1

.....  
WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54  
(DEGREES)

.....  
(N) 350-010 2.1 2.0 .9 .1

020-040 3.1 3.1 1.3 .3

050-070 2.3 1.1 .7 .7

.....  
(E) 080-110 1.1 .9 .9

110-140 2.3 1.3 1.1

140-170 4.3 1.3 .7 .1

.....  
(S) 170-190 3.2 .9 .2 .1

200-220 2.1 1.3 .2 .1

230-250 3.6 2.2 .4

.....  
(d) 260-280 4.2 4.3 1.4

290-310 4.2 4.3 1.9 .2

320-340 1.2 3.6 2.4 .7 .2

.....  
VARIABLE

CAL 1 //////////////////////////////////////

TOTALS 35.1 27.5 12.1 2.6 .3

TOTAL NUMBER OF OBSERVATIONS 900

# WIND DIRECTION OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 352111 RECORDED: JUL 79 - JUL 80  
MONTHS: APR - MAY DATES: 21-23

WINDS IN KNOTS

| 20-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | WIND | WIND |
|-------|-------|-------|-------|-------|-------|-------|------|------|
|       |       |       |       |       |       |       | DIR  | DIR  |

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 5.1 | 5.2 | 5.2 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 7.2 | 6.4 | 6.0 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 6.0 | 7.0 | 6.0 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 2.2 | 5.7 | 2.2 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 5.0 | 5.0 | 4.0 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 5.0 | 4.0 | 4.0 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 4.2 | 4.2 | 4.0 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 4.7 | 5.9 | 5.0 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 6.2 | 4.5 | 5.0 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  | 10.2 | 5.2 | 5.0 |
|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  | 10.2 | 5.2 | 5.0 |
|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  | 5.0 | 5.4 | 5.0 |
|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|

|  |  |  |  |  |  |      |  |  |
|--|--|--|--|--|--|------|--|--|
|  |  |  |  |  |  | 22.3 |  |  |
|--|--|--|--|--|--|------|--|--|

|  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  | 100.0 | 4.7 | 5.0 |
|--|--|--|--|--|--|-------|-----|-----|

WIND OBSERVATIONS 000

.....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM DAILY OBSERVATIONS

STATION NUMBER: 725056

STATION NAME: PEASE AREA NH

20-10-1

LST TO UTC: + 5

10-10-1

|             |         | WIND SPEED IN KNOTS  |      |       |       |       |       |
|-------------|---------|----------------------|------|-------|-------|-------|-------|
| DIRECTION   |         | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 |
| (DEGREES)   |         |                      |      |       |       |       |       |
| (N) 350-010 |         | 1.7                  | 3.7  | 1.4   | .2    |       |       |
|             | 020-040 | 2.3                  | 3.1  | 2.4   | .3    | .0    |       |
|             | 050-070 | 1.0                  | 2.5  | 1.5   | .7    | .1    |       |
| (E) 080-130 |         | 1.4                  | 2.7  | 1.4   | .1    | .1    |       |
|             | 110-130 | 2.2                  | 1.5  | 1.3   | .2    | .1    |       |
|             | 140-160 | 3.1                  | 3.3  | 1.5   | .2    | .0    |       |
| (S) 170-190 |         | 1.1                  | .9   | .3    | .0    | .0    |       |
|             | 200-220 | 1.9                  | 2.0  | .5    | .0    |       |       |
|             | 230-250 | 2.1                  | 2.5  | .7    | .1    |       |       |
| (W) 260-280 |         | 2.3                  | 4.7  | 2.4   | .3    | .0    |       |
|             | 290-310 | 2.4                  | 3.9  | 3.7   | 1.5   | .4    | .1    |
|             | 320-340 | 2.2                  | 3.1  | 2.0   | .4    | .2    | .0    |
| VARIABLE    |         |                      |      |       |       |       |       |
| CAL         |         | //////////////////// |      |       |       |       |       |
| TOTALS      |         | 27.0                 | 36.0 | 19.7  | 4.5   | .2    |       |

TOTAL NUMBER OF OBSERVATIONS 7200

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM YEARLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: APR HOURS: ALL

WIND SPEED IN KNOTS

25-29 30-34 35-39 40-49 50-54 55-59 TOTAL SEAS WIND

WIND DIRECTION

5.7 7.0 6.0

5.1 7.3 7.0

5.2 5.0 7.0

5.6 7.3 7.0

5.7 5.0 7.0

5.3 5.0 5.0

5.0 4.0 4.0

4.5 5.0 5.0

4.3 5.7 5.0

10.7 5.0 5.0

11.7 5.3 5.0

8.0 5.3 5.0

12.1

100.0 5.4 7.0

OBSERVATIONS 1200

OPERATING LOCATION: WAW  
USAFBAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF ADHERENCE TO WAW  
FROM 1964 TO 1965

STATION NUMBER: 725055

STATION NAME: DEANE AND W

LSI ID: 12: + 5

CATEGORY A: STILING 50 200 BUT LESS THAN 1000 FEET WITH VISIBILITY OF 1/2 MILE  
AND/OR

VISIBILITY OF 1/2 MILE (300 METERS) BUT LESS THAN 1 MILE (400 METERS)

WIND SPEED IN KNOTS

DISBURSED 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(DEB 1/15)

(N) 350-210 2.2 4.7 2.7 .3

520-240 8.5 7.3 8.0 1.1 .2

050-270 4.3 6.4 5.3 2.5 .5

(E) 080-100 2.0 3.2 2.7 .5 .2

110-130 2.0 3.5 2.0 .4 .5

140-160 2.2 1.4 1.7 .5 .1

(S) 170-190 1.0 .2 .2

200-220 1.0 .7 .2

230-250 1.1 .5

(W) 260-280 .2 1.2 .4

290-310 1.0 .2 .5 .5 .1

320-340 1.1 2.1 1.4 .2

VARIABLE

CALM

TOTALS 24.7 38.2 26.2 5.3 1.3

TOTAL NUMBER OF ASSUMPTIONS 1117

DENSITY AT SURFACENT SURFACE AND DIRECTION VERSUS WIND SPEED  
 IN METRICALLY 15 METERS

DATE: 27-10-70 RECORD: JUL 70 - JUL 70  
 DRIFT: 025 DURS: 000

WIND WITH VISIBILITY 20 1/2 MILE (1000 METERS).

5) NOT LESS THAN 3 MILES (4000 METERS) WITH CEILING 4000 FEET.

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

1 2 3 4 5 6 7 8 9 10 TOTAL 11 12 13

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

10000 10000 10000 10000 10000 10000 10000 10000 10000 10000

OPERATING LOCATION "A"  
USARFAC, ASH VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE IN 100 HOURS  
FROM 0000 TO 0000

STATION NAME : ZENITH

STATION NAME : PANGLOSS

DATE

1ST 12 OCT 45

TIME

.....

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99

(0-30-45)

(4) 350-010

4.0

1.3

020-040

3.0

2.0

.

.1

050-070

1.0

1.6

.0

(5) 080-100

1.3

1.7

110-130

1.0

1.0

.0

140-160

.0

1.4

(5) 170-190

2.0

1.3

200-220

0.0

0.0

.1

230-250

0.0

0.0

.1

(4) 260-280

0.0

0.0

.0

290-310

0.0

1.0

.0

320-340

0.0

0.0

.0

.....

WIND

////////////////////////////////////

TOTAL

4.0

2.3

0.8

.1

.....

# WINDY OF OCCURRENCE, SURFACE AND DIRECTION VERSUS WIND SPEED AND ONLY AS VARIATIONS

DATE: 0-11-0 0-000000: 000 70 - 000 0  
 TIME: 127 HOURS: 10-02

WINDY IN KNOTS

| 0-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0.2  | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2    |
| 7.2  | 6.2   | 4.0   |       |       |       |       |       |       |        |
| 4.2  | 6.7   | 6.0   |       |       |       |       |       |       |        |
| 2.0  | 2.2   | 4.2   |       |       |       |       |       |       |        |
| 2.6  | 4.0   | 4.0   |       |       |       |       |       |       |        |
| 4.1  | 5.0   | 4.0   |       |       |       |       |       |       |        |
| 5.4  | 5.5   | 2.0   |       |       |       |       |       |       |        |
| 6.0  | 4.1   | 4.0   |       |       |       |       |       |       |        |
| 7.7  | 4.2   | 4.0   |       |       |       |       |       |       |        |
| 10.0 | 4.0   | 4.0   |       |       |       |       |       |       |        |
| 4.0  | 5.0   | 4.0   |       |       |       |       |       |       |        |
| 4.0  | 3.0   | 4.0   |       |       |       |       |       |       |        |

//////////////////// 0.0 //////////////////

10.0 1.0 4.0

WINDY IN KNOTS



OPERATING LOCATION: "A"  
USAFSTAG, ASHCVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND DIRECTION IN  
10 DEGREE SECTORS

STATION NUMBER: 725055

STATION NAME: PLASE AREA 40  
LST ID SIG: + 5

DATE: 11/11/61  
TIME: 11

|  |         | WIND DIRECTION IN DEGREES |      |       |       |       |       |       |       |       |       |
|--|---------|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION                                    |         | 1-4                       | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (950-1000)                                   |         |                           |      |       |       |       |       |       |       |       |       |
| (4)  | 350-010 | 0.4                       | 1.2  | 0.4   |       |       |       |       |       |       |       |
|  | 020-040 | 2.7                       | 2.7  | 0.4   |       |       |       |       |       |       |       |
|  | 050-070 | 3.3                       | 2.3  | 1.4   |       |       |       |       |       |       |       |
| (5)  | 080-100 | 1.5                       | 0.4  |       |       |       |       |       |       |       |       |
|  | 110-130 | 1.5                       | 0.2  | 0.1   |       |       |       |       |       |       |       |
|  | 140-160 | 0.4                       | 1.2  | 0.4   |       |       |       |       |       |       |       |
| (5)  | 170-190 | 2.1                       | 0.2  |       |       |       |       |       |       |       |       |
|  | 200-220 | 3.1                       | 2.7  | 0.4   |       |       |       |       |       |       |       |
|  | 230-250 | 4.3                       | 1.2  | 0.4   |       |       |       |       |       |       |       |
| (4)  | 260-280 | 2.3                       | 2.3  | 0.4   |       |       |       |       |       |       |       |
|  | 290-310 | 0.4                       | 1.7  | 0.4   | 0.1   |       |       |       |       |       |       |
|  | 320-340 | 0.4                       | 1.2  | 0.1   |       |       |       |       |       |       |       |
| VARIABLE                                     |         |                           |      |       |       |       |       |       |       |       |       |
| DATE: ////////////////////////////////////// |         |                           |      |       |       |       |       |       |       |       |       |
| TOTAL  |         | 0.4                       | 11.2 | 6.2   | 0.1   |       |       |       |       |       |       |

TOTAL WIND SPEED OBSERVATIONS: 11



OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE - 50-100% 100% 100%  
FROM AGENCY - 100% 100% 100%

STATION NUMBER: 725055

STATION NAME: PRASH AND VO  
LST TO UTC: + 5

STATION  
TIME

.....  
DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49  
(0630555)

.....  
(N) 350-410 1.0 2.7 .2 .1

.....  
020-240 2.2 5.3 1.2 .1

.....  
050-070 3.2 3.3 1.3 .2

.....  
(S) 080-110 2.5 1.2 .2

.....  
110-140 1.2 1.0

.....  
160-180 1.2 1.6 .1 .2

.....  
(S) 170-190 2.2 1.3 .1

.....  
200-220 3.1 1.2 .1

.....  
240-260 3.2 3.2 .5

.....  
(N) 260-280 1.2 1.2 1.2 .1

.....  
290-310 1.2 2.2 1.4 .2 .1

.....  
320-340 3.2 1.3 1.1

.....  
VARIABLE

.....  
CALC: //////////////////////////////////////

.....  
TOTAL: 20.3 20.4 9.7 .2 .1

.....  
TOTAL REPORT OF ACTIVATION: 400

.....

# INDEX OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 10000000 PERIOD OF RECORD: JUL 79 - JUL 80  
 MONTH: MAY HOURS: 00-03

WIND SPEED IN KNOTS

| 01-04 | 05-08 | 09-12 | 13-16 | 17-20 | 21-24 | TOTAL | MEAN | STANDARD |
|-------|-------|-------|-------|-------|-------|-------|------|----------|
|       |       |       |       |       |       | WIND  | WIND | WIND     |

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 6.6 | 5.3 | 5.2 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|      |     |     |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|
| 10.9 | 5.0 | 5.0 |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 6.5 | 5.6 | 5.5 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 4.2 | 4.2 | 3.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 3.1 | 3.4 | 3.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 5.7 | 5.4 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 4.3 | 3.0 | 3.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 5.4 | 5.1 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 5.2 | 4.7 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|      |     |     |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|
| 13.7 | 5.0 | 5.0 |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 7.1 | 5.6 | 5.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 5.7 | 5.5 | 5.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

17.5

|      |     |     |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|
| 10.1 | 5.0 | 5.0 |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|

WIND DIRECTION

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM AROUND OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH  
EST TO UTC: + 5

DATE: 11/11/77  
TIME: 1200

..... WIND SPEED 1, 4, 17  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(050-090)

.....  
(N) 350-010 .3 2.5 1.4 .2

020-040 2.2 4.2 2.0 .4

050-070 3.2 5.3 1.0 .4

(S) 080-100 4.1 4.5 1.1

110-130 3.3 3.2 .4

140-160 1.0 1.4 1.0 .1 .1

(S) 170-190 1.3 1.3 .1

200-220 2.1 1.3 1.4 .2

230-250 4.1 3.0 1.3 .2

(N) 260-280 1.2 4.7 3.1 .6

290-310 1.1 2.7 3.2 1.0

320-340 1.4 .1 1.0 .1 .1

.....  
VARIABLE

CALC //

TOTALS 31.9 47.2 19.4 6.0 .4

TOTAL DIRECTION OF OBSERVATIONS 110

INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: MAY HOURS: 00-11

5.10.1. 6.000

15-22 23-30 31-38 39-46 47-54 55-62 TOTAL MEAN MEDIAN  
3 4.0 4.0

4.2 4.1 7.0

8.9 7.2 7.0

10.5 7.0 7.0

9.7 5.0 5.0

9.5 5.0 5.0

7.7 7.1 5.0

8.4 5.0 5.0

8.5 5.0 5.0

9.7 5.0 5.0

10.7 5.1 5.0

7.5 5.0 10.0

4.0 5.0 5.0

4.0

100.0 5.0 5.0

DATE: 05/11/80

OPERATING LOCATION: "AW"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE DUE TO WIND  
FROM ALL FOURLY OBSERVATIONS

STATION NUMBER: 725045

STATION NAME: PEASE AFB NH

DATE: 11/14

LST TO UTC: + 5

TIME: 114

..... WIND SPEED IN KNOTS .....  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49 50-54  
(DEGREES)

.....  
(N) 350-010 .0 .3 .4 .1

020-040 1.0 3.5 1.2 .4

050-070 2.0 4.3 1.4 .1

(E) 080-100 2.4 6.7 2.0

110-130 2.0 12.3 4.0

140-160 1.3 1.2 0.9 .4

(S) 170-190 .3 1.0 1.0 .2

200-220 .0 1.3 .0 .1 .1

230-250 1.0 2.2 1.3 .1 .1

(W) 260-280 1.2 3.1 3.2 1.0 .1

290-310 .4 3.2 3.3 1.0

320-340 .6 1.1 5.0 .5 .2

.....  
VARIABLE

CALC //

TOTALS 15.0 44.7 27.0 5.3 .2

TOTAL NUMBER OF OBSERVATIONS 251

INDEX OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM 4 JULY 1958 - VATICANS

PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: MAY HOURS: 12-14

| SPEED IN KNOTS |       |       |       |       |       |       | TOTAL | MEAN<br>SPEED | MEDIAN<br>SPEED |
|----------------|-------|-------|-------|-------|-------|-------|-------|---------------|-----------------|
| 25-29          | 30-34 | 35-39 | 40-49 | 50-54 | 55-59 | 60-64 |       |               |                 |
| 2.2            | 5.2   | 1.0   |       |       |       |       |       |               |                 |
|                | 6.1   | 7.2   | 7.2   |       |       |       |       |               |                 |
|                | 7.3   | 5.2   | 7.2   |       |       |       |       |               |                 |
|                | 11.2  | 5.2   | 6.2   |       |       |       |       |               |                 |
|                | 12.2  | 7.2   | 7.2   |       |       |       |       |               |                 |
|                | 17.3  | 2.2   | 2.2   |       |       |       |       |               |                 |
|                | 3.2   | 2.2   | 2.2   |       |       |       |       |               |                 |
|                | 3.2   | 2.2   | 2.2   |       |       |       |       |               |                 |
|                | 4.2   | 7.2   | 7.2   |       |       |       |       |               |                 |
|                | 10.2  | 2.2   | 2.2   |       |       |       |       |               |                 |
|                | 11.2  | 10.2  | 10.2  |       |       |       |       |               |                 |
|                | 11.2  | 11.2  | 12.2  |       |       |       |       |               |                 |

////////////////////////////////////// 1.2 //////////////////////////////////////  
 100.0 1.2 1.2

MAY 1980 15 1980



OPERATING LOCATION: "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM JULY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB GA  
LSI TO UTC: + 5

DATE:

TIME:

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (M) 350-010            | .2                   | 1.5  | .4    |       |       |       |       |       |       |       |
| 020-040                | .1                   | 1.0  | .6    | .2    | .1    |       |       |       |       |       |
| 050-070                | 2.3                  | 5.1  | 1.0   |       |       |       |       |       |       |       |
| (E) 080-100            | 2.3                  | 5.2  | .1    |       |       |       |       |       |       |       |
| 110-130                | 3.4                  | 12.2 | 1.4   |       |       |       |       |       |       |       |
| 140-160                | 2.7                  | 14.7 | 7.0   | .5    |       |       |       |       |       |       |
| (S) 170-190            | 1.1                  | 2.2  | 1.1   |       |       |       |       |       |       |       |
| 200-220                | .3                   | 1.2  | 1.1   |       |       |       |       |       |       |       |
| 230-250                | .2                   | 2.2  | .3    |       |       |       |       |       |       |       |
| (W) 260-280            | .2                   | 2.3  | 2.2   | .9    | .1    |       |       |       |       |       |
| 290-310                | .3                   | 3.3  | 3.4   | .2    |       |       |       |       |       |       |
| 320-340                | .5                   | 1.7  | 2.2   | 1.3   |       |       |       |       |       |       |
| VARIABLE               |                      |      |       |       |       |       |       |       |       |       |
| CALM                   | //////////////////// |      |       |       |       |       |       |       |       |       |
| TOTALS                 | 16.3                 | 73.1 | 23.7  | 3.7   | .4    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS: 100

# INCY OF OCCURENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM TIDELY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: MAY HOURS: 15-17

## SPEED IN KNOTS

| 00-04 | 05-09 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | 95-99 | TOTAL | WIND | WIND | WIND |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 2.2 | 7.4 | 3.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 3.7 | 7.5 | 6.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|    |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| .3 | 6.2 | .0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1.2 | 0.7 | 2.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 12.5 | 1.3 | 6.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|      |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 17.0 | 0.1 | .0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.2 | 7.2 | 4.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 7.0 | 6.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.7 | 1.0 | 2.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 1.0 | 0.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 10.1 | 10.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 11.1 | 10.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 0.0 | 0.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 0.0 | 0.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 0.0 | 0.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 0.0 | 0.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0.0 | 0.0 | 0.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND BY  
FROM ALL PLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB MS  
LST ID: WIC: + 5

PERIOD:

DATE:

WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| (4) 350-010            | 1.2                                  | 1.2  | .4    |       |       |       |       |       |       |
| 020-040                | 2.2                                  | 2.9  | .9    |       |       |       |       |       |       |
| 050-070                | 3.2                                  | 3.7  | .2    |       |       |       |       |       |       |
| (5) 080-100            | 3.0                                  | 2.2  | .1    |       |       |       |       |       |       |
| 110-130                | 4.2                                  | 3.3  | .1    |       |       |       |       |       |       |
| 140-160                | 10.2                                 | 11.3 | .5    |       |       |       |       |       |       |
| (6) 170-190            | 2.2                                  | 2.5  | .9    |       |       |       |       |       |       |
| 200-220                | 1.7                                  | 2.7  | 1.0   |       |       |       |       |       |       |
| 230-250                | 1.9                                  | 1.1  |       | .1    |       |       |       |       |       |
| (7) 260-280            | 2.3                                  | 1.7  | 1.1   | .5    |       |       |       |       |       |
| 290-310                | 1.6                                  | 2.3  | 1.3   | .2    |       |       |       |       |       |
| 320-340                | 1.1                                  | 3.2  | 2.7   | .1    |       |       |       |       |       |
| .....                  |                                      |      |       |       |       |       |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |
| CALC                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |
| TOTALS                 | 37.7                                 | 40.2 | 9.2   | .2    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS: 200

LOG OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM 0000 TO 0000 HRS

|  |       |       |       |       |       |       |      |       |  |
|--|-------|-------|-------|-------|-------|-------|------|-------|--|
| PERIOD OF RECORD: JUL 74 - JUL 74            |       |       |       |       |       |       |      |       |  |
| STATION: JAY      PERS: 12-22                |       |       |       |       |       |       |      |       |  |
| .....  |       |       |       |       |       |       |      |       |  |
| WIND IN KNOTS                                |       |       |       |       |       |       |      |       |  |
| 00-04  | 05-09 | 10-14 | 15-19 | 20-24 | 25-29 | TOTAL | Mean | 10.14 |  |
|  |       |       |       |       |       |       | 3.12 | 4.17  |  |
| .....  |       |       |       |       |       |       |      |       |  |
|  |       |       |       |       |       | 2.2   | 3.3  | 2.2   |  |
|  |       |       |       |       |       | 6.0   | 6.0  | 6.0   |  |
|  |       |       |       |       |       | 7.7   | 6.0  | 6.0   |  |
|  |       |       |       |       |       | 15.3  | 6.4  | 6.4   |  |
|  |       |       |       |       |       | 19.0  | 6.8  | 6.8   |  |
|  |       |       |       |       |       | 20.0  | 6.8  | 6.8   |  |
|  |       |       |       |       |       | 7.3   | 6.2  | 6.4   |  |
|  |       |       |       |       |       | 2.0   | 6.1  | 6.0   |  |
|  |       |       |       |       |       | 3.1   | 6.0  | 6.0   |  |
|  |       |       |       |       |       | 1.0   | 6.2  | 6.0   |  |
|  |       |       |       |       |       | 6.7   | 6.7  | 6.7   |  |
|  |       |       |       |       |       | 7.1   | 6.0  | 6.0   |  |
| .....  |       |       |       |       |       |       |      |       |  |
| //////////////////// 11.1 ////////////////// |       |       |       |       |       |       |      |       |  |
| 101.      6.2      6.0                       |       |       |       |       |       |       |      |       |  |
| .....  |       |       |       |       |       |       |      |       |  |

OPERATING LOCATION NAME  
USAFETAG, AS CIVIL NC

PERCENTAGE FREQUENCY OF 1000-1500 HZ BAND  
FOR ALL TYPES OF STATIONS

STATION NUMBER: 725 000

STATION NAME: PRASEL AFB NC

DATE:

LSI TO MIC: + 0

TIME:

.....

AND SPREAD 14-2115

SIGNATURE 1-9 9-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEPT 100)

(N) 350-399 2.2 1.2 .1

420-449 4.2 1.2 .3

450-479 1.2 1.2 .2

(E) 480-529 2.2 .2

510-539 2.2 1.2

540-569 2.2 1.4

(S) 570-599 1.2 2.2 .2

600-629 4.2 3.2 .5

630-659 4. 2.2 .4

(W) 660-699 1.2 2.2 .1

700-749 3.2 3.6 .6

750-799 2.2 3.2 .4

.....

VARIABLE

CALC //

TOTALS 41.4 26.5 3.2 .3

TOTAL NUMBER OF STATIONS 940

.....

ANGLE OF SCUD-PIGCH SYRACUS AND DIRECTED VERSUS WIND SPEED  
- 1000-1500 HOURS

PERIOD OF RECORD: JUL 78 - JUL 79  
UNIT: ANY TIMES: 21-23

.....  
CORRECTED IN KNOTS

| 4-21-78 | 4-22-78 | 4-23-78 | 4-24-78 | 4-25-78 | 4-26-78 | TOTAL | MEAN | STDEV |
|---------|---------|---------|---------|---------|---------|-------|------|-------|
| .....   | .....   | .....   | .....   | .....   | .....   | 4.7   | 4.3  | 4.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 4.9   | 4.1  | 4.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 4.5   | 4.0  | 4.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 4.6   | 3.9  | 3.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 7.1   | 3.0  | 3.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 7.0   | 3.0  | 3.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 7.2   | 4.1  | 3.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 4.1   | 4.7  | 4.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 4.5   | 4.3  | 4.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 7.7   | 4.0  | 4.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 7.5   | 4.0  | 4.0   |
| .....   | .....   | .....   | .....   | .....   | .....   | 4.7   | 4.7  | 4.0   |

.....  
 ////////////////////////////////////// 24.1 //////////////////////////////////////  
 100.0 1.4 4.0

.....  
 1000-1500 HOURS 730  
 .....

OPERATING LOCATION NAME  
USAFIELD, ALABAMA

PERCENTAGE PROBABILITY  
100.0

STATION NUMBER: 71000

STATION NAME: P. AL. 1000  
101.1-101.1

DIRECTION: 1-9 9-9 10-10 11-11 12-12 13-13 14-14 15-15  
(000000)

|             |     |     |     |    |    |  |
|-------------|-----|-----|-----|----|----|--|
| (N) 350-010 | 2.7 | 1.7 | .7  | .1 |    |  |
| 020-040     | 1.7 | 3.1 | 1.1 | .1 |    |  |
| 030-070     | 1.1 | 3.4 | 1.1 | .1 |    |  |
| (E) 090-110 | 2.5 | 2.7 | .7  |    |    |  |
| 110-130     | 1.1 | 4.4 | .7  |    |    |  |
| 140-160     | 1.0 | .7  | 2.2 | .1 |    |  |
| (S) 170-190 | 1.5 | 1.1 | .7  | .1 |    |  |
| 200-220     | 2.7 | 2.1 | .7  | .1 |    |  |
| 230-250     | 3.2 | 2.6 | .7  | .1 | .1 |  |
| (W) 260-280 | 4.1 | 3.7 | 1.7 | .7 | .1 |  |
| 290-310     | 2.6 | 2.6 | 1.7 | .7 | .1 |  |
| 320-340     | 2.5 | 2.2 | 1.7 | .7 | .1 |  |

VARIABLE

CALM: //////////////////////////////////////

TOTALS 34.4 35.0 12.7 1.9 .1

TOTAL NUMBER OF OBSERVATIONS 7000

DATE: 27 JUL 1968  
TIME: 1240Z  
FROM: JMW  
TO: JMW  
SUBJECT: JMW  
PRIORITY: ALL

.....

.....

100.2 100.2 100.2

.....



OPERATING LOCATION: "A"  
USAFRIAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF 1500 FEET SURFACE WIND  
FROM 1 JULY 1961 TO 31 JULY 1961

STATION NUMBER: 725090

STATION NAME: REASE, NC  
ELEVATION: 45

TIME  
ZONE

CATEGORY 4: CEILING 500 NOT LESS THAN 1500 - 1/2 MILE VISIBILITY OF 1/2 MILE  
AND/OR

VISIBILITY OF 1/2 MILE (0.80 METERS) NOT LESS THAN 1 MILE (1.60 METERS)

WIND SPEED IN KNOTS

DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(1) 1-4

(H) 350-359 1.1 2.2 .7

120-249 .4 2.8 3.4 1.0 .1

350-379 .3 11.5 3.2 .2

(S) 120-129 2.5 2.2 .4

110-119 .4 2.2 .1

140-149 .3 2.2 .3 .2 .1

(S) 170-179 1.3 .7

200-209 .7 .3

230-239 1.4 .2 .2

(S) 250-259 1.2 .2

280-289 1.4 .2 .2

320-329 1.2 1.4 .1

VARIABLE

CALC

TOTALS

41.0 35.4 9.4 1.7 .2

TOTAL NUMBER OF OBSERVATIONS 127

NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 1. DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 80  
 MONTH: MAY HOURS: ALL

1. VISIBILITY OF 1/2 MILE (800 METERS).

2. WIND LOSS THAN 3 MILES (4.8 METERS) WITH CEILING OF 300 FEET.

NO. OF DAYS

1-29 30-31 32-33 34-43 44-54 55-65 TOTAL WIND LOSS 180

1 1.00 1.00

2.2 4.2 4.2

20.0 4.2 4.2

23.6 4.2 4.2

12.2 4.2 4.2

7.0 4.2 4.2

1.1 4.2 4.2

2.1 4.1 4.2

1.1 4.2 4.2

1.7 4.2 4.2

2.2 4.1 4.2

1.2 4. 4.2

3.4 4.2 4.2

11.3

122.0 4.2 4.2

WIND DIRECTION 1200



REF ID: A66079

$\beta_0 = -0.78$ ,  $\beta_1 = 0.69$ ,  $\beta_2 = 0.01$ ,  $\beta_3 = 0.00$ ,  $\beta_4 = 0.04$ .  $R^2 = 0.75$ . Fitted model:

$$\hat{y} = -0.78 + 0.69x_1 + 0.01x_2 + 0.00x_3 + 0.04x_4.$$
[illegible]

1990 4.0 4.0

.....

OPERATING LOCATION: "AM"  
ISAFAC, 750 MILLER RD

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
SPECIFIC VALUES

STATION NUMBER: 72500

STATION NAME: 2-15-4-4-28

LSI TO DIC: + 5

.....  
DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREE S)

.....  
(3) 350-410 2.2 1.7 .4 .1

.....  
100-200 2.3 1.0 .7

.....  
250-310 2.0 1.2 .7

.....  
(5) 300-400 1.2 .3

.....  
110-150 1.0 .3

.....  
140-160 2.1 .7

.....  
(5) 170-190 2.0 .5

.....  
200-220 1.7 1.0

.....  
230-250 1.5 1.0

.....  
(4) 250-270 12.2 2.2 .7

.....  
230-310 .3 3.1 1.0

.....  
320-340 1.7 1.0 .1

.....

VARIABLE

CALC //

TOTALS 44.2 23.5 3.7 .1

TOTAL NUMBER OF OBSERVATIONS 413

.....



RECEIVED OFFICE OF THE DIRECTOR OF THE FBI  
JAN 17 1964

10

(U) 350-11-1 1.1 1.1 1.1 1.1 1.1

057-129

( ) 000-1000 1000 1000

100-1

(S) 171-142

201-1-10 10-10-10

1. 2. 3. 4.

(A)  $2.2 = 2 \times 1.1$        $1.1 = 1 \times 1.1$        $1.1 = 1 \times 1.1$        $1.1 = 1 \times 1.1$

207-221

327-11 100 100

16-11-19

////////////////////

| TABLE | 1961 | 1962 | 1963 | 1964 |
|-------|------|------|------|------|
|-------|------|------|------|------|

THE JOURNAL OF THE

DATE: 11-11-2011 TIME: 10-11

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

100-44344-100

.....



OPERATING LOCATION: "AM"  
USAFETAC, APO WHEELER

PERIOD: 14 JUL 1964  
14 JUL 1964

STATION: 725-10 STATION: 725-10  
EST. TO HQ: +5

| DIRECTION<br>(0-359)                                     | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 |
|--|--------------------------------------|------|-------|-------|-------|-------|-------|-------|
| (6) 350-10   | 1.2                                  | 1.7  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 320-10   | 1.7                                  | 2.0  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 300-10   | 1.7                                  | 3.0  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| (7) 280-10   | 1.1                                  | 2.0  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 110-10   | 1.0                                  | 3.0  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 140-10   | 1.0                                  | 1.0  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| (8) 170-10   | 1.2                                  | 1.2  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 200-10   | 1.1                                  | 1.7  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 230-10   | 1.0                                  | 1.2  | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| (9) 260-10   | 1.7                                  | 1.0  | 2.0   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 290-10   | 1.0                                  | 1.3  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 320-10   | 1.0                                  | 1.7  | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| VALUES   |                                      |      |       |       |       |       |       |       |
| CALC   | //////////////////////////////////// |      |       |       |       |       |       |       |
| TOTALS   | 10.0                                 | 15.0 | 17.1  | 2.0   | 1.1   | 1.1   | 1.1   | 1.1   |
| TOTAL 42 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 |                                      |      |       |       |       |       |       |       |

AGENCY OF ACCREDITED STATES - LIST OF VICTIMS OF AIRCRAFT  
 FROM JULY 1945 TO 1946

NAME: .....  
 ADDRESS: .....  
 PHONE: .....  
 DATE: .....  
 TIME: .....  
 PLACE: .....

.....  
 NAME: .....  
 ADDRESS: .....  
 PHONE: .....  
 DATE: .....  
 TIME: .....  
 PLACE: .....

.....  
 NAME: .....  
 ADDRESS: .....  
 PHONE: .....  
 DATE: .....  
 TIME: .....  
 PLACE: .....

.....  
 NAME: .....  
 ADDRESS: .....  
 PHONE: .....  
 DATE: .....  
 TIME: .....  
 PLACE: .....

.....  
 NAME: .....  
 ADDRESS: .....  
 PHONE: .....  
 DATE: .....  
 TIME: .....  
 PLACE: .....

OPERATING LOCATION NAME  
USAF-1AC, ASHEVILLE, NC

PERCENTAGE EFFICIENCY OF ACCUMULATED DAMAGE  
- 34 - 100% - 100% - 100%

STATION NUMBER: 723955

STATION NAME: PRIST 475 201

DATE: 10/10/71

LST TO UTC: + 5

TIME: 10:00

WIND SPEED IN MPH

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(25-29)

(4) 350-010 .4 1.4 .7

020-040 1.3 1.4 1.3 .1

050-070 1.1 4.3 .4 .1

(1) 080-100 1.3 4.3 .

110-130 2.7 7.3 1.7

140-160 2.7 4.3 3.3 .1

(5) 170-190 1.2 2.3 1.3

200-220 .2 2.7 1.1 .2

230-250 1.3 4.3 1.7

(4) 260-280 2.2 3.3 5.3 .4

290-310 1.1 4.7 4.3 1.2 .2

320-340 1.3 1.3 2.3 1.3 .1

VARIABLE

CALC

TOTALS 14.3 42.4 24.1 3.1 .3

TOTAL NUMBER OF OBSERVATIONS 100

REPORTING PERIOD: JUL 79 - JUL 80  
MONTH: JUL DURS: 12-16

|       |       |       |       |       |       |      |        |
|-------|-------|-------|-------|-------|-------|------|--------|
| 27-34 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | MALE | FEMALE |
| 100   | 100   | 100   | 100   | 100   | 100   | 100  | 100    |

|     |      |      |      |
|-----|------|------|------|
|     | 3.6  | 7.3  | 2.2  |
|     | 3.2  | 7.8  | 3.2  |
|     | 6.1  | 2.5  | 6.2  |
|     | 7.1  | 2.4  | 5.2  |
|     | 12.2 | 8.1  | 5.2  |
|     | 11.1 | 7.4  | 5.2  |
|     | 4.2  | 2.1  | 1.2  |
|     | 8.3  | 7.2  | 7.2  |
|     | 7.   | 5.2  | 5.2  |
|     | 12.7 | 3.2  | 1.2  |
| 0.2 | 11.7 | 3.7  | 12.2 |
| 0.1 | 5.1  | 10.2 | 11.2 |

|                                      |       |                                  |
|--------------------------------------|-------|----------------------------------|
| //////////////////////////////////// | 1.4   | //////////////////////////////// |
| .                                    | 100.0 | 7.5      7.0                     |

## DISCUSSION

OPERATING LOCATION "AM"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND DIRECTION  
FOR 10-15-67 10-15-67

STATION NUMBER: 726057

STATION NAME: PEASE AR 14  
1ST TO WIND: + 5

STATION: J

WIND SPEED: 10-15

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49

(9522413)

(N) 350-310 .4 .5 .7

020-040 1.4 1.1 1.1

050-070 1.2 3.2 .9

(E) 080-100 3.1 2.7 1.9

110-130 3.3 7.0 1.3

140-160 2.7 13.1 4.1 .1

(S) 170-190 1.1 4.3 .1

200-220 .9 1.1 .9 .1

230-250 2.1 5.3 1.9

(W) 260-280 2.2 6.1 3.9

290-310 1.6 4.9 4.7 1.1

320-340 .8 2.9 2.9 .5

VARIABLE

CALC

TOTALS 29.7 54.2 21.7 1.9

TOTAL NUMBER OF OBSERVATIONS 100

INCIDENT OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FOR VESSEL AND STATION

STATION: 14-10-10: JUL 79 - JUL 80  
 DATE: 15-17

| SPD (KT) | DIR (DEG) | 14-10-10 | 15-17 | TOTAL | 14-10-10 | 15-17 |
|----------|-----------|----------|-------|-------|----------|-------|
| 0-10     | 0-90      | 1.7      | 7.7   | 9.4   | 1.7      | 7.7   |
| 10-20    | 0-90      | 3.7      | 6.1   | 9.8   | 3.7      | 6.1   |
| 20-30    | 0-90      | 1.3      | 6.1   | 7.4   | 1.3      | 6.1   |
| 30-40    | 0-90      | 2.4      | 1.7   | 4.1   | 2.4      | 1.7   |
| 40-50    | 0-90      | 12.4     | 6.1   | 18.5  | 12.4     | 6.1   |
| 50-60    | 0-90      | 1.3      | 7.4   | 8.7   | 1.3      | 7.4   |
| 60-70    | 0-90      | 3.4      | 1.3   | 4.7   | 3.4      | 1.3   |
| 70-80    | 0-90      | 3.3      | 6.7   | 10.0  | 3.3      | 6.7   |
| 80-90    | 0-90      | 8.4      | 6.2   | 14.6  | 8.4      | 6.2   |
| 90-100   | 0-90      | 11.1     | 7.2   | 18.3  | 11.1     | 7.2   |
| 100-110  | 0-90      | 12.2     | 6.6   | 18.8  | 12.2     | 6.6   |
| 110-120  | 0-90      | 6.3      | 6.3   | 12.6  | 6.3      | 6.3   |
| 120-130  | 0-90      | 2.1      | 7.0   | 9.1   | 2.1      | 7.0   |
| 130-140  | 0-90      | 106.5    | 7.0   | 107.5 | 106.5    | 7.0   |

STATION: 14-10-10

OPERATING LOCATION: WAW  
JSAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND DIRECTION  
IN THE FOLLOWING WIND SPEEDS

STATION NUMBER: 725055

STATION NAME: PEASE AIRPORT  
LST TO UTC: + 5

DATE: 11-11-67  
TIME: 1100

| DIRECTION<br>(DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | 95-99 |
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| (N) 350-010            | 1.7 | 1.0 | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 020-040                | 1.1 | 2.3 | .3    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 050-070                | 1.4 | 2.9 | .6    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (E) 080-100            | 2.5 | 2.2 | .7    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 110-130                | 4.1 | 3.2 | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 140-160                | 5.7 | 5.4 | .5    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (S) 170-190            | 4.2 | 4.1 | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 200-220                | 4.7 | 2.2 | .3    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 230-250                | 4.2 | 2.3 | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (W) 260-280            | 3.2 | 2.9 | 1.0   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 290-310                | 3.6 | 4.6 | 2.5   | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 320-340                | 1.6 | 2.4 | 2.3   | .4    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

VARIABLE

CALC

TOTAL: 41.5 33.7 9.0 .5

TOTAL NUMBER OF OBSERVATIONS: 693

NOY OF OCCURRENCE OF LEAGS WIND DIRECTION VERSUS WIND SPEED  
 FROM DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: JUN HOURS: 13-22

| SPEED IN KNOTS       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND     | SQUARED<br>WIND  |
|----------------------|-------|-------|-------|-------|-------|------------|------------------|------------------|
| 25-29                | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 |            |                  |                  |
|                      |       |       |       |       |       | 2.9        | 4.5              | 6.1              |
|                      |       |       |       |       |       | 3.         | 5.5              | 6.0              |
|                      |       |       |       |       |       | 5.2        | 5.7              | 6.5              |
|                      |       |       |       |       |       | 5.5        | 5.4              | 6.2              |
|                      |       |       |       |       |       | 7.5        | 5.4              | 6.2              |
|                      |       |       |       |       |       | 17.5       | 5.5              | 6.0              |
|                      |       |       |       |       |       | 4.2        | 4.2              | 6.0              |
|                      |       |       |       |       |       | 5.2        | 5.2              | 6.0              |
|                      |       |       |       |       |       | 7.2        | 4.4              | 6.0              |
|                      |       |       |       |       |       | 7.2        | 5.2              | 6.0              |
|                      |       |       |       |       |       | 11.2       | 5.4              | 6.0              |
|                      |       |       |       |       |       | 11.2       | 5.2              | 6.0              |
| //////////////////// |       |       |       |       |       | 11.2       | //////////////// | //////////////// |
|                      |       |       |       |       |       | 10.2       | 4.4              | 6.0              |

IS VARIATIONS 100



OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DISAGREEMENTS  
FROM JULY 1961 TO 1962

STATION NUMBER: 225755

STATION NAME: GRADE 411 TH

EST TO UTC: + 8

DATE: 11/11/62

TIME: 01:00

.....  
HND 01:00 TO 11:00:00  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54  
(0000000000)

.....  
(N) 350-010 1.7 1.3 .4

020-040 2.3 1.4 .2

050-070 2.0 1.5 .7 .1

(S) 090-100 1.2 .4 .2

110-130 2.0 1.3

140-160 4.2 1.2 .1

(E) 170-190 2.4 1.3

200-220 2.0 1.2 .2

230-250 2.1 1.2 .1

(W) 260-280 2.2 1.7 .7

290-310 2.7 2.1 1.2 .2

320-340 2.3 1.9 .7 .1

.....  
VARIABLE

CALC //

TOTALS 45.1 24.5 4.2 .5 .1

TOTAL NUMBER OF OBSERVATIONS 17

PERIOD OF INTEREST: JUL 70 - JUL 71  
ADVIS: JUNE ADVISE: 21-23

[illegible]

3.5 4.2 4.2

4.1      4.5      4.9

4.3      5.3      6.3

7.            4.            4.

3. 3      2. 2      4. 1

• • • • •

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

2. 4. 1

1. 2. 3. 4. 5.

11.3 11.3 11.3

7. 7                      7. 4                      4. 1

100 101 102

7-11-70 //

196.0      4.0      4.0

[illegible]

OPERATING LOCATION: MAW  
USAFETAC, ASHEVILLE- NC

PERCENTAGE FREQUENCY OF OCCURRENCE: SURFACE WINDS AT  
FROM 0000Z TO 0600Z

STATION NUMBER: 726055

STATION NAME: PLAST AFB 54  
LST TO UTC: + 5

DATE: 11  
TIME: 11

..... WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99  
(DEGREES)

(N) 350-010 1.5 1.5 .5 .1

020-040 1.4 1.2 .5 .0

050-070 1.1 2.7 .5 .1

(E) 080-110 2.2 2.0 .4 .1

110-130 2.4 3.1 .4

140-160 3.1 4.5 1.1 .0

(S) 170-190 2.5 1.9 .3

200-220 3.2 2.4 .4 .0

230-250 3.1 4.2 .5

(W) 260-280 3.2 3.4 2.2 .1

290-310 3.2 4.3 2.2 .5 .0

320-340 3.5 2.4 1.4 .5 .0

.....  
VARIABLE

CALC //

TOTALS 31.2 35.2 11.5 1.3

..... TOTAL NUMBER OF OBSERVATIONS 7195  
.....



OPERATING LOCATION "A"  
USAFOTAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
SPECIFIC WEATHER CONDITIONS

STATION NUMBER: 728055

STATION NAME: PEARL AT  
LSI TO WTC: + 5

CATEGORY A: CEILING 3,000 FEET OR LESS THAN 1000 FEET WITH VISIBILITY 1/2 MILE  
OR LESS  
VISIBILITY OF 1/2 MILE (0.800 KILOMETERS) OR LESS THAN 1 MILE (1.600 KILOMETERS)

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

|             |     |     |     |    |  |  |  |  |
|-------------|-----|-----|-----|----|--|--|--|--|
| (N) 350-310 | 4.3 | 4.3 | 1.7 | .4 |  |  |  |  |
| 320-340     | 3.6 | 6.4 | 2.3 | .2 |  |  |  |  |
| 290-320     | .   | 1.1 | 1.1 | .1 |  |  |  |  |
| (E) 030-110 | 2.7 | 3.6 | .3  | .5 |  |  |  |  |
| 110-130     | 3.  | 3.3 | .7  |    |  |  |  |  |
| 140-170     | 3.  | 6.3 | .6  |    |  |  |  |  |
| (S) 170-190 | 1.1 | .7  | .7  |    |  |  |  |  |
| 220-240     | 1.7 | 1.7 | .7  |    |  |  |  |  |
| 230-250     | 2.3 | .3  |     |    |  |  |  |  |
| (4) 250-290 | .7  | .   |     |    |  |  |  |  |
| 300-310     | .7  | .3  | .1  |    |  |  |  |  |
| 320-340     | 1.  | 1.0 | .4  |    |  |  |  |  |

VARIABLE

CALC //

TOTALS 40.4 35.7 5.7 1.2

TOTAL NUMBER OF OBSERVATIONS 1110

NOY OF DISCUSSING SURFACE AREA OF TITAN 7-3315 KIL. DRAIN  
 100% DISPERSED SYSTEMS

DATE: JUL 7 - JUL 11  
 MONTH: JUL YEAR: 1968

ALL THE VISCOSITY OF 172 MIL (1000 T-50).

1) SURFACE AREA OF TITAN (4 OF TITAN) WITH TITAN 7-3315 KIL.

100% DISPERSED

1-2-34 35-36 37-38 39-40 41-42 43-44 45-46 47-48 49-50 51-52 53-54 55-56 57-58 59-60 61-62 63-64 65-66 67-68 69-70 71-72 73-74 75-76 77-78 79-80 81-82 83-84 85-86 87-88 89-90 91-92 93-94 95-96 97-98 99-100 TOTAL 1000

11.1 2.1 1.0

14.0 5.7 1.0

15.1 5.7 1.0

11.2 18.2 1.0

1.8 1.7 1.0

1.3 1.3 1.0

1.2 1.2 1.0

1.7 1.2 1.0

1. 1. 1.0

1.7 1.2 1.0

1. 1. 1.0

4.1 1.5 1.0

13.1

100.0 4.7 1.0

100% DISPERSED 11.0

OPERATING LOCATION: WAM  
USAF TAC, ASHVILLE, NC

PERIOD: 10/1/68 - 10/31/68  
STATION: 10/1/68 - 10/31/68

STATION: 10/1/68 - 10/31/68

STATION: 10/1/68 - 10/31/68

STATION: 10/1/68 - 10/31/68

1

STATION: 10/1/68 - 10/31/68

STATION: 10/1/68 - 10/31/68

STATION: 10/1/68 - 10/31/68  
(7-11-11)

(7) 10/1-10/31 1.2 .3

10/1-10/31 1.2 .3

10/1-10/31 1.2 .3

(7) 10/1-10/31 1.2

10/1-10/31 1.2 .3 .1

10/1-10/31 1.2 .3 .1

(S) 10/1-10/31 1.2 .3

10/1-10/31 1.2 .3 .1

10/1-10/31 1.2 .3

(a) 10/1-10/31 1.2 .3

10/1-10/31 1.2 .3 .1

10/1-10/31 1.2 .3

VARIATION

STATION: 10/1/68 - 10/31/68

TOTALS 1.2 1.3 .1

TOTAL RELEASED TO DISTRIBUTIONS

WINDY OF OCCURRENCE, DIRECTION AND DURATION VERSUS WIND SPEED  
 AND DIRECTIONAL VARIATIONS

STATION

PERIOD OF RECORD: JUL 71 - JUN 72

STATION: JUL DATES: 01-02

WINDY OF OCCURRENCE

WINDY OF OCCURRENCE 01-02 03-04 05-06 07-08 09-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31-31

2.4 3.4 4.4

2.4 4.4 6.4

1.4 3.4 5.4

1.4 2.4 3.4

2.4 3.4 4.4

2.4 3.4 4.4

2.4 3.4 4.4

7.4 4.4 6.4

11.4 3.4 5.4

2.4 3.4 4.4

11.4 3.4 5.4

3.4 4.4 5.4

33.1

100.0 2.4 3.4

WINDY OF OCCURRENCE 01-02



OPERATING LOCATION NAME  
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM COURSE 000 TO 360

STATION NUMBER: 726086

STATION NAME: OTAS 48504

EST TO WIC: + 5

DATE: 11/11/61

TIME: 1111Z

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49

(DEGREES)

(4) 350-010 2.2 1.3

020-040 1.7 1.3

050-070 1.2 1.3

(6) 080-100 .3

110-130 .2 .3

140-160 2.2 .2

(5) 170-190 2.2 .3

200-220 1.7 1.7 .1

230-250 2.2 2.2 .1

(2) 260-280 12.2 4.2 .1

290-310 3.4 2.2 .2

320-340 4.2 .9

VARIABLE

CALM

TOTALS 60.1 17.0 .8

TOTAL NUMBER OF OBSERVATIONS 100

INCIDENCY OF OCCURRENCE SURFACE MINE DIRECTIAL VERSUS WIND SPEED  
 500' COURLY DISTORTIONS

DATA 44

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: JUL YEARS: 03-05

WIND SPEED IN KNOTS

| 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | TOTAL | MEAN | STDEV |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1.2 | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 8.4   | 3.1  | 1.0   |

3.4 4.1 4.2

4.0 3.3 3.0

2.3 3.7 3.0

1.5 2.0 1.1

1.6 4.3 3.0

3.0 3.0 2.0

2.2 3.3 2.0

0.1 3.7 3.0

11.1 3.0 3.0

17.3 3.7 3.1

11.0 3.7 2.0

5.1 3.1 2.0

32.8

100.0 2.5 2.0

OF OCCURRENCE 180

OPERATING LOCATION "A"  
USAFATAC, ASHEVILLE - NC

PERCENTAGE FREQUENCY OF OCCURRENCE SHARPENED 12.13  
FOR 1 HOUR OBSERVATIONS

STATION NUMBER: 725086

STATION NAME: PLAGE 4-3 A4  
LST TO UTC: + 5

12.13  
12.13

.....

WIND SPEED IN KNOTS

DIRECTION  
(DEGREES)

1-4

5-9

10-14

15-19

20-24

25-29

30-34

35-39

40-44

(N) 350-010

2.2

2.5

020-040

2.6

1.1

050-070

1.7

1.0

.2

(E) 080-100

1.5

.3

110-130

1.2

.3

140-160

1.5

.4

(S) 170-190

2.2

1.2

.1

200-220

1.2

1.2

.1

230-250

1.2

1.7

.1

(W) 260-280

11.5

7.0

.4

290-310

5.5

4.5

1.2

.1

320-340

2.1

1.2

.4

.....

VARIABLE

CALC

////////////////////////////////////

TOTALS

32.1

27.2

3.1

.1

TOTAL NUMBER OF OBSERVATIONS 122

.....

2 - 4 - 3

A

4-3-74  
 RECORD OF RECORD: JUL 73 - JUL 74  
 MONTH: JUL DURS: 05-06

[illegible]

|  |      |     |     |
|--|------|-----|-----|
|  | 4.7  | 4.5 | 3.5 |
|  | 3.7  | 4.1 | 4.0 |
|  | 2.9  | 4.0 | 4.0 |
|  | 2.5  | 4.0 | 4.0 |
|  | 1.4  | 3.0 | 2.0 |
|  | 2.0  | 2.0 | 1.0 |
|  | 4.0  | 2.7 | 1.0 |
|  | 7.0  | 2.9 | 4.0 |
|  | 14.1 | 4.1 | 4.0 |
|  | 12.3 | 4.3 | 4.0 |
|  | 13.0 | 4.3 | 4.0 |
|  | 5.9  | 4.3 | 4.0 |

[illegible]

1962-1963

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND AT  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725085

STATION NAME: PEASE AFB, NH  
LST TO UTC: + 5

PERIOD:  
DATE:

| WIND SPEED IN KNOTS    |                                      |      |       |       |       |       |       |       |       |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |
| (N) 350-010            | 1.5                                  | 1.7  | .4    |       |       |       |       |       |       |
| 020-040                | 1.2                                  | 1.7  | .5    | .1    |       |       |       |       |       |
| 050-070                | 2.5                                  | 2.2  | .1    |       |       |       |       |       |       |
| (E) 080-100            | 3.1                                  | 1.8  |       |       |       |       |       |       |       |
| 110-130                | 2.3                                  | 2.0  | .1    |       |       |       |       |       |       |
| 140-160                | 2.2                                  | 2.7  | .5    |       |       |       |       |       |       |
| (S) 170-190            | 2.3                                  | 1.2  | .1    |       |       |       |       |       |       |
| 200-220                | 3.4                                  | 3.4  | .0    |       |       |       |       |       |       |
| 230-250                | 5.5                                  | 3.3  | .2    |       |       |       |       |       |       |
| (W) 260-280            | 5.3                                  | 4.9  | 2.0   |       |       |       |       |       |       |
| 290-310                | 3.4                                  | 5.5  | 3.5   | .4    |       |       |       |       |       |
| 320-340                | 1.7                                  | 3.3  | 2.0   | .0    |       |       |       |       |       |
| .....                  |                                      |      |       |       |       |       |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |
| CALC                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |
| TOTALS                 | 37.5                                 | 42.7 | 11.4  | .5    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 430

# UNICY OF LOGDANCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM 4 JULY 1967 TO 11 JULY 1967

STATION: JUL 79 - JUL 80  
STATION: JUL 1988: 09-11

| .....                                       |       |       |       |       |       |       |       |      |       |
|---|-------|-------|-------|-------|-------|-------|-------|------|-------|
| WIND SPEED IN KNOTS                         |       |       |       |       |       |       |       |      |       |
| 0-9   | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | TOTAL | MEAN | STDEV |
|   |       |       |       |       |       |       | 1     | 61.1 | 61.0  |
| .....                                       |       |       |       |       |       |       |       |      |       |
|   |       |       |       |       |       |       | 3.7   | 5.7  | 5.0   |
|   |       |       |       |       |       |       | 3.5   | 5.1  | 5.0   |
|   |       |       |       |       |       |       | 4.7   | 4.9  | 4.0   |
|   |       |       |       |       |       |       | 4.9   | 4.2  | 4.0   |
|   |       |       |       |       |       |       | 4.4   | 4.9  | 4.0   |
|   |       |       |       |       |       |       | 5.0   | 4.1  | 4.0   |
|   |       |       |       |       |       |       | 3.5   | 4.2  | 4.0   |
|   |       |       |       |       |       |       | 5.7   | 4.3  | 4.0   |
|   |       |       |       |       |       |       | 11.5  | 4.9  | 4.0   |
|   |       |       |       |       |       |       | 13.4  | 5.1  | 4.0   |
|   |       |       |       |       |       |       | 12.0  | 7.4  | 7.0   |
|   |       |       |       |       |       |       | 6.4   | 7.3  | 5.0   |
| .....                                       |       |       |       |       |       |       |       |      |       |
| //////////////////// 7.4 ////////////////// |       |       |       |       |       |       |       |      |       |
| 100.0 5.5 5.0                               |       |       |       |       |       |       |       |      |       |

STATION: 83

OPERATING LOCATION NAME  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WINDS  
FROM ALL SURVEY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: DEASE AFB NC  
LSI TO UTC: + 5

MO: J  
ADITH: J

|             |  | WIND SPEED IN KNOTS |     |       |       |       |       |       |       |       |       |
|-------------|--|---------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION   |  | 1-4                 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (045-089)   |  |                     |     |       |       |       |       |       |       |       |       |
| .....       |  |                     |     |       |       |       |       |       |       |       |       |
| (N) 350-010 |  | .3                  | 1.1 | .3    |       |       |       |       |       |       |       |
| 020-040     |  | .3                  | .5  | .3    |       |       |       |       |       |       |       |
| 050-070     |  | .3                  | 1.2 |       |       |       |       |       |       |       |       |
| (E) 080-100 |  | 1.5                 | 4.3 | .1    |       |       |       |       |       |       |       |
| 110-130     |  | 3.1                 | 3.3 | .8    |       |       |       |       |       |       |       |
| 140-160     |  | 2.9                 | 2.3 | 2.2   | .1    |       |       |       |       |       |       |
| (S) 170-190 |  | .2                  | 2.5 | 1.2   |       |       |       |       |       |       |       |
| 200-220     |  | 2.5                 | 4.5 | 1.1   |       |       |       |       |       |       |       |
| 230-250     |  | 3.1                 | 7.7 | 1.0   |       |       |       |       |       |       |       |
| (S) 260-280 |  | 1.4                 | 9.9 | 3.1   |       |       |       |       |       |       |       |
| 290-310     |  | 1.6                 | 4.1 | 4.7   | .9    |       |       |       |       |       |       |
| 320-340     |  | 1.7                 | 2.5 | 2.9   | .9    |       |       |       |       |       |       |
| .....       |  |                     |     |       |       |       |       |       |       |       |       |
| VARIABLE    |  |                     |     |       |       |       |       |       |       |       |       |
| CALC        |  |                     |     |       |       |       |       |       |       |       |       |
| TOTALS      |  |                     |     |       |       |       |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 030

AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION:                      PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: JUL DURS: 12-14

.....

ADJUSTED TOTALS

|    |       |       |       |       |       |       |       |      |      |      |
|----|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 24 | 25-27 | 30-34 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | 45.4 | 10.1 | 11.4 |
|    |       |       |       |       |       |       |       | 3    | 41.2 | 41.2 |
|    |       |       |       |       |       |       |       | 2.2  | 5.5  | 5.2  |
|    |       |       |       |       |       |       |       | 2.0  | 7.2  | 6.2  |
|    |       |       |       |       |       |       |       | 3.2  | 4.5  | 4.2  |
|    |       |       |       |       |       |       |       | 5.2  | 5.9  | 5.2  |
|    |       |       |       |       |       |       |       | 13.5 | 5.2  | 5.2  |
|    |       |       |       |       |       |       |       | 12.7 | 5.1  | 5.2  |
|    |       |       |       |       |       |       |       | 4.2  | 5.2  | 5.2  |
|    |       |       |       |       |       |       |       | 7.7  | 5.1  | 5.2  |
|    |       |       |       |       |       |       |       | 11.4 | 5.2  | 5.2  |
|    |       |       |       |       |       |       |       | 13.2 | 5.2  | 7.2  |
|    |       |       |       |       |       |       |       | 10.5 | 5.1  | 12.2 |
|    |       |       |       |       |       |       |       | 7.5  | 7.1  | 5.2  |
|    |       |       |       |       |       |       |       | 2.0  |      |      |
|    |       |       |       |       |       |       |       | 12.5 | 5.5  | 5.2  |

.....

//////////////////// 2.0 //////////////////////

12.5 5.5 5.2

ADJUSTED TOTALS 13.2



OPERATING LOCATION "AW"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WINDS  
FROM JULY 1965 TO JULY 1966

STATION NUMBER: 726086

STATION NAME: ROOSE ARB NH

LST TO UTC: + 5

TIME: 1

DATE: 1

.....

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99

.....

(4) 350-010 .5 .7 .5

.....

020-040 .7 .1 .4

.....

050-070 1.1 1.2 .1

.....

(E) 080-100 2.3 3.5

.....

110-130 3.1 1.1 .4

.....

140-160 1.1 1.1 1.2 .1

.....

(S) 170-190 2.7 4.2 1.2

.....

200-220 2.7 4.5 1.2 .2

.....

230-250 3.1 3.4 1.3 .1

.....

(8) 260-280 3.4 4.2 2.2

.....

290-310 1.1 3.1 4.2 .3 .1

.....

320-340 .5 2.4 1.5 .5

.....

.....

VARIABLE

.....

CALC //

.....

TOTALS 25.7 54.5 15.9 1.2 .1

.....

TOTAL NUMBER OF OBSERVATIONS 300

.....

WINDY 12- JOURNALING SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM WINDY 12- JOURNALING

PERIOD OF RECORD: JUL 77 - JUN 78  
 MONTH: JUL YEARS: 15-17

SPIN IN UNITS  
 00-09 10-19 20-29 30-39 40-49 50-59 60-69 TOTAL SPIN 100000

|  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  | 2.0  | 7.6 | 1.0 |
|  |  |  |  |  |  |  | 2.0  | 4.6 | 1.0 |
|  |  |  |  |  |  |  | 2.0  | 4.6 | 1.0 |
|  |  |  |  |  |  |  | 5.0  | 2.0 | 1.0 |
|  |  |  |  |  |  |  | 12.0 | 5.2 | 1.0 |
|  |  |  |  |  |  |  | 11.4 | 5.4 | 1.0 |
|  |  |  |  |  |  |  | 1.0  | 5.4 | 5.0 |
|  |  |  |  |  |  |  | 1.7  | 5.5 | 1.0 |
|  |  |  |  |  |  |  | 1.0  | 5.2 | 1.0 |
|  |  |  |  |  |  |  | 10.1 | 5.5 | 1.0 |
|  |  |  |  |  |  |  | 11.0 | 5.5 | 1.0 |
|  |  |  |  |  |  |  | 4.0  | 5.5 | 1.0 |

100.0 5.4 1.0

WINDY 12- JOURNALING 730

OPERATING LOCATION: "A"  
 USAFETAG, AINMILLING

PERCENTAGE FREQUENCY OF HOLDING SURFACE AREA  
 100% (100%)

STATION NUMBER: 725-55

STATION NAME: PEASE, 44-11

LLI TO HIC: + 5

STATION: 0

.....

AREA SPREAD: 10-11-15

DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49

(350-15)

.....

(N) 350-010 .1 1.3 .1

020-040 .1 .3 .3 .1

050-070 1.7 .9 .3

(E) 080-100 2.3 1.4

110-130 8.1 3.9 .1

140-160 10.1 2.9 .2

(S) 170-190 5.1 3.3 .1

200-220 4.3 4.2 .9

230-250 6.7 2.2

(W) 260-280 1.3 1.5 .1

290-310 5.3 4.6 1.7 .2

320-340 1.7 2.8 1.0

.....

VARIABLE

CALEN //

TOTALS 30.7 39.0 6.1 .5

TOTAL NUMBER OF DIS. VARIATIONS 188

.....

DATE: JUL 27 - 1964  
TIME: 11:15

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

2 2

6. 2. 4. 1.

7.1      7.2      7.3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

[illegible]

1. 2. 3.

• • •

1. 2. 3.

100 101 102

21.2 // // // // // // //

123. 24. 1941

205 JUL 18 1955

OPERATING LOCATION: "A"  
USAF-120, 120-120

PERCENTAGE FREQUENCY AT 1000-1200 HOURS  
120-120, 120-120

STATION NAME: 120-120

STATION NAME: 120-120

USE TO IDENTIFY

.....

DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

.....

(S) 300-310 1.3 1.2 .1

.....

320-330 1.3 1.4

.....

340-350 1.7 .2

.....

(S) 360-100 1.1 .1 .1

.....

110-120 1.7 .9 .1

.....

140-150 1.1 1.1

.....

(S) 170-180 1.1 1.2

.....

200-210 1.4 1.3 .4

.....

230-240 1.1 1.2

.....

(S) 260-270 1.7 1.3 .1

.....

290-300 1.3 1.3

.....

320-330 1.1 1.2 .3 .1

.....

.....

VARIABLE

.....

USE: //

.....

TOTALS: 41.3 20.7 1.1 .1

.....

TOTAL NUMBER OF OBSERVATIONS: 130

.....

DATE: JUL 79  
DURING RECORDED: JUL 79 - JUN 80  
UNIT: JUL ADDRESS: 21-23

```

##### 23.4 #####
##### 100.0 0.7 0.0 #####

```

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM ALL SURVEILLANCE

STATION NUMBER: 725053

STATION NAME: PEAS, ARV, IN  
LST TO UTC: + 5

TIME  
ZONE

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(DEGREES)

(N) 350-010 1.3 1.3 .3

020-040 1.3 .3 .3 .3

050-070 1.7 1.0 .1

(E) 080-100 1.3 1.5 .3

110-130 1.3 3.3 .7

140-160 1.3 3.3 .7 .3

(S) 170-190 3.4 2.1 .3

200-220 4.5 3.4 .3 .3

230-250 1.3 4.3 .4 .3

(W) 260-280 2.4 5.3 1.1

290-310 4.5 4.0 1.3 .3 .3

320-340 1.3 2.1 1.1 .3

.....  
VARIABLE

CALC //

TOTALS 12.3 33.2 6.3 .4

.....  
TOTAL NUMBER OF OBSERVATIONS 7440  
.....

# AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED EAST COASTLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: JUL YEARS: ALL

WIND SPEED IN KNOTS

| 0-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | TOTAL | MEAN | MODIAN |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|

1180 1180

2.8 5.1 5.0

2.8 5.2 4.8

2.7 4.2 4.1

3.4 4.5 4.0

4.0 4.3 4.0

4.4 5.2 4.0

5.3 4.3 4.0

7.0 4.4 4.0

11.1 4.5 4.0

13.8 4.8 4.0

16.7 5.1 4.0

6.1 4.0 4.0

17.0

100.0 4.2 4.0

7440



OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND  
FROM DAILY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

STATION  
NUMBER:

CATEGORY 1: CEILING OF 200 BUT LESS THAN 1000 FEET WITH VISIBILITY OF 1/2 MILE  
AND/OR  
VISIBILITY OF 1/2 MILE (0500 METERS) BUT LESS THAN 3 MILES (4800)

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(N) 350-010 3.4 2.5 .5

020-040 4.7 3.7 1.7 .1

050-070 4.2 5.4 .5

(E) 080-120 4.7 2.5 .1

110-130 5.4 4.3 .5

140-160 5.2 3.5 .3 .1

(S) 170-190 3.3 1.5 .1

200-220 1.7 1.0 .1 .2

230-250 3.0 .5

(W) 260-310 2.2 .3

320-340 1.7 .1 .1

350-360 2.4 1.0 .5

VARIABLE

CALM

TOTALS 46.0 30.4 4.3 .5

TOTAL NUMBER OF OBSERVATIONS 475

QUINCY, ILL. OCCURRING SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

AREA: 21

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: JUL HOURS: ALL

FOOT WITH VISIBILITY GE 1/2 MILE (800 METERS).

WINDS NOT LESS THAN 3 MPH (4.8 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

01-04 05-08 09-12 13-16 17-20 21-24 25-28 29-32 33-36 37-40 41-44 45-48 49-52 53-56 57-60 TOTAL MEAN MAX MIN

3 WIND SPD

8.4 4.9 4.0

12.0 6.3 5.0

12.0 4.9 4.0

7.7 4.2 4.0

11. 4.0 4.0

10.2 4.5 4.0

4.0 4.1 4.0

2.1 5.1 4.0

3.3 3.0 2.0

2.5 3.4 3.0

2.7 4.3 4.0

3.0 4.5 4.0

10.7

100.0 2.3 4.0

1981 141143 475

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM DIRECTION 115-175

STATION NUMBER: 726055

STATION NAME: PEASE ARB NH

DATE: 10/10/71

LST TO REC: + 5

TIME: 1000

.....

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(DEGREES)

.....  
(N) 350-010 3.1 1.1 .2

020-040 2.2 1.4 .4

050-070 1.0 .2 .1

(E) 080-100 1.7

110-130 1.5 1.1

140-150 2.2 1.4

(S) 170-190 3.2 1.5 .1

200-220 3.7 1.3

230-250 7.0 2.2

(S) 260-280 1.2 3.5 .3 .1

290-310 3.6 3.1 1.2 .2

320-340 4.0 1.1 .4

.....

VARIABLE

CALM

////////////////////////////////////

TOTALS 47.2 15.2 2.2 .5

TOTAL NUMBER OF OBSERVATIONS 230

.....

C - 4 - 71

A

AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 1400 HOURS 055 DEVIATIONS

|                                      |      |            |       |              |       |       |                                  |      |          |
|--------------------------------------|------|------------|-------|--------------|-------|-------|----------------------------------|------|----------|
| PERIOD OF RECORD: JUL 71 - JUN 72    |      | MONTH: AUG |       | HOURS: 00-02 |       |       |                                  |      |          |
| .....                                |      |            |       |              |       |       |                                  |      |          |
| WIND SPEED IN KNOTS                  |      |            |       |              |       |       |                                  |      |          |
| 0-4                                  | 5-24 | 25-34      | 35-44 | 45-54        | 55-64 | 65-69 | TOTAL                            | MEAN | ST. DEV. |
|                                      |      |            |       |              |       |       | 4.4                              | 4.3  | 4.2      |
|                                      |      |            |       |              |       |       | 4.0                              | 3.0  | 4.0      |
|                                      |      |            |       |              |       |       | 1.9                              | 1.2  | 4.0      |
|                                      |      |            |       |              |       |       | 1.2                              | 2.4  | 4.0      |
|                                      |      |            |       |              |       |       | 4.1                              | 2.7  | 4.0      |
|                                      |      |            |       |              |       |       | 3.8                              | 4.2  | 4.0      |
|                                      |      |            |       |              |       |       | 4.2                              | 4.2  | 4.0      |
|                                      |      |            |       |              |       |       | 7.0                              | 2.7  | 4.0      |
|                                      |      |            |       |              |       |       | 10.8                             | 3.2  | 4.0      |
|                                      |      |            |       |              |       |       | 11.3                             | 3.2  | 4.0      |
|                                      |      |            |       |              |       |       | 12.0                             | 4.3  | 4.0      |
|                                      |      |            |       |              |       |       | 6.2                              | 4.0  | 4.0      |
| .....                                |      |            |       |              |       |       |                                  |      |          |
| //////////////////////////////////// |      |            |       |              |       | 30.6  | //////////////////////////////// |      |          |
|                                      |      |            |       |              |       | 100.0 | 2.8                              | 4.2  |          |
| 055 DEVIATIONS                       |      |            |       |              |       | 230   |                                  |      |          |
| .....                                |      |            |       |              |       |       |                                  |      |          |

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM 4000LY 10-50 KNOTS

STATION NUMBER: 726095

STATION NAME: PEASLEE ARB NH  
LST TO UTC: + 5

PERIOD:  
BEGIN:

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(N) 350-310 1.0 1.1 .9

020-040 1.2 1.6 .3

050-070 .7 .1 .2

(E) 080-100 .3

110-130 1.1 .3

140-160 1.4 1.0

(S) 170-190 2.4 .3

200-220 2.1 1.9 .1

230-250 2.5 2.6

(W) 260-280 2.2 3.3 .2

290-310 1.0 2.0 .9

320-340 1.1 .3

VA-TAB

CALC

TOTALS 41.5 15.7 2.5

TOTAL NUMBER OF 10-50 KNOTS 30

INDEX OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM 4000 FT. ALTITUDE

STATION: 4-1, NH PERIOD OF RECORD: JUL 77 - JUN 84  
 MONTH: AUG HOURS: 03-05

WIND SPEED IN KNOTS

1-10 11-20 21-30 31-40 41-50 51-60 61-70 TOTAL 100.0 100.0

100.0 100.0

4.7 4.8 4.9

4.3 5.5 4.5

1.1 7.7 6.0

1.3 2.7 3.1

1.4 3.7 3.0

3.3 4.3 4.0

3.1 3.2 3.0

7.1 5.1 3.5

2.4 3.7 4.0

12.9 2.5 4.0

13.4 3.7 3.0

1.3 3.2 3.0

32.5

100.0 2.7 4.0

STATION: 4-1, NH

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE VS. WIND DIRECTION  
FROM 0000Z TO 0000Z

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH

EST ID UTC: + 5

DATE: 10/10/71

TIME: 1200Z

.....  
WIND REPORT IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(0500000)

.....  
(N) 350-010 4.3 1.2 .2 .1

.....  
020-040 1.2 2.2 1.2 .2

.....  
050-070 1.2 1.2 .2

.....  
(E) 080-100 1.1 .1 .1

.....  
110-130 1.2 .1

.....  
140-160 2.4 .4 .2

.....  
(S) 170-190 2.3 .2

.....  
200-220 4.3 2.2 .2

.....  
230-250 5.1 4.3 .1

.....  
(W) 260-280 3.3 5.2 .4

.....  
290-310 1.2 2.2 1.2 .1

.....  
320-340 4.7 2.0 .3 .1

.....

.....  
VARIABLE

.....  
CALC //

.....  
TOTALS 49.1 25.7 9.5 .8

.....  
TOTAL NUMBER OF OBSERVATIONS 43

.....

AGENCY OF OCCURRENCE AND DATE OF COLLECTION VERSUS AGE OF CHILD  
 (SEE SUPPLY DISTRIBUTION)

PERIOD OF RECORD: JUL 70 - JUN 71  
 MONTH: AUG DAYS: 25-01

AGENCY OF OCCURRENCE

| AGE | 70-74 | 75-79 | 80-84 | 85-89 | 90-94 | 95-99 | TOTAL | PERCENT | PERCENT |
|-----|-------|-------|-------|-------|-------|-------|-------|---------|---------|
| 1   | 6.5   | 6.4   | 6.3   |       |       |       |       |         |         |
| 2   | 6.5   | 6.5   | 7.5   |       |       |       |       |         |         |
| 3   | 3.1   | 4.2   | 4.3   |       |       |       |       |         |         |
| 4   | 1.2   | 4.2   | 3.7   |       |       |       |       |         |         |
| 5   | 1.1   | 3.3   | 3.5   |       |       |       |       |         |         |
| 6   | 3.3   | 4.7   | 4.3   |       |       |       |       |         |         |
| 7   | 3.5   | 2.5   | 2.7   |       |       |       |       |         |         |
| 8   | 6.7   | 4.1   | 4.0   |       |       |       |       |         |         |
| 9   | 11.5  | 6.1   | 3.3   |       |       |       |       |         |         |
| 10  | 12.7  | 6.5   | 3.0   |       |       |       |       |         |         |
| 11  | 12.5  | 4.4   | 3.7   |       |       |       |       |         |         |
| 12  | 7.4   | 4.7   | 6.3   |       |       |       |       |         |         |

100.0 3.5 6.3

AGENCY OF OCCURRENCE 432



OPERATING LOCATION NAME  
USAFETAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY AT 1000 HZ OF SURFACE WIND  
FROM 01000Z TO 01000Z

STATION NUMBER: 715086

STATION NAME: PEASE AFB, MO

DATE: 10-10-68

STATION TIME: +5

TIME: 1000Z

.....

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99

(DEGREES)

.....

(1) 350-010 2.5 2.1 .4

020-040 2.2 1.5 1.0

050-070 3.0 2.2 .8 .1

(5) 080-100 2.5 2.3

110-130 2.0 2.7 .1

140-160 2.0 2.0 .2

(5) 170-190 1.3 2.0 .1

200-220 1.0 2.1 .6

230-250 2.4 2.7 .8 .1

(4) 260-280 2.7 2.7 1.2 .2

290-310 2.0 2.1 2.0 .3 .1

320-340 2.0 3.4 1.7 .2

.....

VARIABLE

CALC //

TOTALS 33.7 41.1 9.7 1.5 .1

.....

TOTAL PERCENT OF OBSERVATIONS 100

.....



PERCENTAGE FROM 1950 TO 1959 WAS 50.00% IN  
1950 1959 50.00% 50.00%

1

100

# RELATIONSHIP OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED - IN HOURLY OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 73 - JUN 74  
 MONTH: AUG      DAYS: 12-14

WIND SPEED IN KNOTS

| 0-74 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | TOTAL | MEAN | ST. DIA. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|
|      |       |       |       |       |       |       |       |       |      |          |

WIND DIRECTION

2.0 7.0 7.0

2.4 7.7 6.6

6.1 7.2 6.0

7.3 6.4 6.0

13.2 6.9 6.2

14.6 6.5 7.0

4.9 5.7 6.2

5.7 6.7 6.0

13.7 6.2 6.0

11.2 6.5 6.0

.1 11.2 6.1 6.5

6.1 7.5 7.5

1.0

.1 100.0 6.6 6.0

WIND DIRECTION

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH WIND  
FROM 100% TO 10% IN 10% STEPS

STATION NUMBER: 726056

STATION NAME: PEASE AFB NH

LST TO UTC: + 5

DATE

TIME

WIND SPEED IN KNOTS

DIRECTION  
(DEGREES)

1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(N) 350-010

.4 1.0 .4

020-040

1.0 1.7 .5

050-070

1.1 1.2 .2 .2

(E) 080-100

2.2 3.4 .2

110-130

4.5 7.6 1.0

140-160

6. 17.6 2.6 .1

(S) 170-190

2.2 3.7 .7

200-220

1.7 2.7 .9

230-250

2.2 5.6 1.1

(A) 260-280

1.6 5.2 1.5 .3

290-310

1.3 5.2 4.2 .6

320-340

1.1 2.4 1.1 .5

VARIABLE

CALC

TOTALS

25.2 37.4 14.6 1.0

TOTAL NUMBER OF OBSERVATIONS 100

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 71 - JUN 72

MONTH: AUG HOURS: 15-17

WIND SPEED IN KNOTS

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | TOTAL | MEAN | ST. DEV. |
|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|
| 1   | 1   | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1    | 1        |

1.8 7.3 6.0

3.3 6.5 6.0

2.2 7.2 6.0

2.1 5.8 6.0

13.2 6.6 6.0

20.6 6.5 6.0

7.6 5.6 6.0

4.8 5.2 6.0

7.0 6.7 6.0

3.8 7.3 7.0

10.8 6.2 7.0

5.0 3.1 6.0

1.2

100.0 6.0 6.0

STATION (LATITUDE, LONGITUDE)

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM DAILY 0500-2300Z

STATION NUMBER: 725055

STATION NAME: PEASE AFB TN  
LST TO UTC: + 5

DTG: 07110  
42410

|   |  | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |  |
|---|--|---------------------|------|-------|-------|-------|-------|-------|-------|-------|--|
| DIRECTION<br>(DEGREES)                      |  | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |  |
| .....                                       |  |                     |      |       |       |       |       |       |       |       |  |
| (N) 350-010                                 |  | 1.3                 | 1.5  | .6    |       |       |       |       |       |       |  |
| 020-040                                     |  | 1.4                 | 1.4  |       |       |       |       |       |       |       |  |
| 050-070                                     |  | 2.4                 | .3   | .2    |       |       |       |       |       |       |  |
| (E) 080-100                                 |  | 2.5                 | 1.7  | .6    |       |       |       |       |       |       |  |
| 110-130                                     |  | 2.3                 | 1.7  | .1    |       |       |       |       |       |       |  |
| 140-160                                     |  | 13.5                | 7.1  |       |       |       |       |       |       |       |  |
| (S) 170-190                                 |  | 5.5                 | 3.3  |       |       |       |       |       |       |       |  |
| 200-220                                     |  | 5.7                 | 2.5  | .3    |       |       |       |       |       |       |  |
| 230-250                                     |  | 5.1                 | 2.4  | .1    |       |       |       |       |       |       |  |
| (W) 250-280                                 |  | 3.2                 | 1.2  | .2    |       | .1    |       |       |       |       |  |
| 290-310                                     |  | 2.4                 | 2.5  | 1.0   | .1    | .1    |       |       |       |       |  |
| 320-340                                     |  | 1.1                 | 2.5  | 1.1   | .2    |       |       |       |       |       |  |
| .....                                       |  |                     |      |       |       |       |       |       |       |       |  |
| VARIABLE                                    |  |                     |      |       |       |       |       |       |       |       |  |
| CALM ////////////////////////////////////// |  |                     |      |       |       |       |       |       |       |       |  |
| TOTALS                                      |  | 49.5                | 22.1 | 4.5   | .3    | .2    |       |       |       |       |  |

TOTAL NUMBER OF OBSERVATIONS 920

.....  
 FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED.....  
 FROM JULY OBSERVATIONS

475 04

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: AUG HOURS: 18-20

.....  
 WIND SPEED IN KNOTS

25-29 30-34 35-39 40-49 50-54 55-59 TOTAL FROM 1-DIAN  
 2 8100 1100

.....  
 4.0 5.7 5.0

2.3 4.2 4.2

1.2 4.0 4.0

4.8 5.2 4.2

4.0 4.1 4.0

10.0 4.1 4.0

3.1 3.2 4.2

1.1 4.0 4.0

7.2 4.1 4.1

4.8 4.2 4.0

7.2 5.0 4.0

4.2 7.1 4.0

.....  
 ////////////////////////////////// 10.0 //////////////////////////////////

100.0 3.0 4.0

.....  
 OF OBSERVATIONS 020



OPERATING LOCATION "A"  
USAFETAC, ASACVILLE DC

PERCENTAGE FREQUENCY OF OCCURRENCE SAMPLED WIND  
FROM ALL 10-15-75 OBSERVATIONS

STATION NUMBER: 726063

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PILOT  
NUMBER

|                        |  | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |
|------------------------|--|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES) |  | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-59 |
| .....                  |  |                     |      |       |       |       |       |       |       |       |       |
| (N) 350-010            |  | 2.0                 | 1.7  | .1    |       |       |       |       |       |       |       |
| 020-040                |  | 2.0                 | 1.5  | .3    |       |       |       |       |       |       |       |
| 050-070                |  | 1.5                 | .6   | .6    | .1    |       |       |       |       |       |       |
| (E) 080-100            |  | 1.1                 | .2   | .2    |       |       |       |       |       |       |       |
| 110-130                |  | 1.4                 | .3   | .2    |       |       |       |       |       |       |       |
| 140-160                |  | 3.2                 | 1.0  | .2    |       |       |       |       |       |       |       |
| (S) 170-190            |  | 5.5                 | 2.5  | .1    |       |       |       |       |       |       |       |
| 200-220                |  | 7.4                 | 3.2  |       |       |       |       |       |       |       |       |
| 230-250                |  | 7.3                 | 3.4  | .1    |       |       |       |       |       |       |       |
| (W) 260-280            |  | 5.1                 | 2.3  | .3    |       | .3    |       |       |       |       |       |
| 290-310                |  | 4.5                 | 2.2  | .3    | .2    |       |       |       |       |       |       |
| 320-340                |  | 2.1                 | 1.5  | .2    | .1    |       |       |       |       |       |       |
| .....                  |  |                     |      |       |       |       |       |       |       |       |       |
| VARIABLE               |  |                     |      |       |       |       |       |       |       |       |       |
| CALC                   |  |                     |      |       |       |       |       |       |       |       |       |
| TOTALS                 |  |                     |      |       |       |       |       |       |       |       |       |
|                        |  | 44.8                | 20.4 | 2.5   | .4    | .3    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 750

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM AIRLY BASE RATINGS

STATION: 145 70 PERIOD OF RECORD: JUL 79 - JUL 80  
MONTH: AUG HOURS: 21-23

WIND SPEED IN KNOTS

| 0-9                  | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | TOTAL | MEAN | MEDIAN |
|----------------------|-------|-------|-------|-------|-------|-------|-------|------|--------|
|                      |       |       |       |       |       |       | 3     | 4.0  | 4.0    |
|                      |       |       |       |       |       |       | 3.0   | 5.1  | 4.0    |
|                      |       |       |       |       |       |       | 3.0   | 4.0  | 4.0    |
|                      |       |       |       |       |       |       | 2.0   | 5.1  | 4.0    |
|                      |       |       |       |       |       |       | 1.5   | 4.4  | 4.0    |
|                      |       |       |       |       |       |       | 1.0   | 4.2  | 3.0    |
|                      |       |       |       |       |       |       | 4.0   | 3.0  | 4.0    |
|                      |       |       |       |       |       |       | 1.5   | 3.8  | 4.0    |
|                      |       |       |       |       |       |       | 10.0  | 2.7  | 3.0    |
|                      |       |       |       |       |       |       | 10.0  | 3.0  | 5.0    |
|                      |       |       |       |       |       |       | 0.0   | 4.4  | 2.0    |
|                      |       |       |       |       |       |       | 7.0   | 4.7  | 4.0    |
|                      |       |       |       |       |       |       | 4.0   | 4.0  | 4.0    |
| //////////////////// |       |       |       |       |       |       | 31.0  | 4.0  | 4.0    |
|                      |       |       |       |       |       |       | 100.0 | 3.0  | 4.0    |

NO OBSERVATIONS 000

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE DURING  
FROM 1200LY TO 1800LY

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PERIOD  
UNIT:

.....  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
.....  
(DEGREES)

.....  
(N) 350-010 2.3 1.5 .4 .0

020-040 1.7 1.5 .0 .0

050-070 1.5 1.1 .4 .1

(E) 080-100 1.3 1.3 .2

110-130 2.2 2.2 .3

140-160 2.2 2.1 .7 .3

(S) 170-190 1.3 2.3 .1

200-220 4.3 2.7 .3 .0

230-250 4.0 4.4 .5 .0

(W) 260-280 5.2 4.7 .7 .1 .1

290-310 5.1 3.5 1.0 .3 .0

320-340 2.2 2.2 .4 .2

.....  
VARIABLE-

CALC //

TOTALS 41.3 33.4 7.1 .7 .1

TOTAL NUMBER OF OBSERVATIONS 7250

# INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM 1000 FT. ALTITUDE

PERIOD OF RECORD: JUL 71 - JUL 72  
 UNIT: KTS HOURS: ALL

## WIND SPEED IN KNOTS

| 0-14 | 15-24 | 25-34 | 35-39 | 40-44 | 50-54 | 55-59 | TOTAL | MEAN | STDEV |
|------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|      |       |       |       |       |       |       | 3     | 41.0 | 4.00  |
|      |       |       |       |       |       |       | 4.2   | 5.2  | 4.0   |
|      |       |       |       |       |       |       | 3.2   | 5.4  | 5.0   |
|      |       |       |       |       |       |       | 3.2   | 5.6  | 5.0   |
|      |       |       |       |       |       |       | 3.5   | 5.0  | 4.0   |
|      |       |       |       |       |       |       | 5.3   | 5.2  | 5.0   |
|      |       |       |       |       |       |       | 10.1  | 5.3  | 5.0   |
|      |       |       |       |       |       |       | 2.7   | 4.4  | 4.0   |
|      |       |       |       |       |       |       | 7.3   | 4.5  | 4.0   |
|      |       |       |       |       |       |       | 10.7  | 4.5  | 4.0   |
| .1   |       |       |       |       |       |       | 11.4  | 5.5  | 4.0   |
| .    |       |       |       |       |       |       | 13.5  | 5.5  | 4.0   |
|      |       |       |       |       |       |       | 5.0   | 5.5  | 5.0   |

|                      |       |                  |
|----------------------|-------|------------------|
| //////////////////// | 17.5  | //////////////// |
| .1                   | 105.0 | 4.3 5.0          |

0-55-741012 7492

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PERIOD  
MONTH:

CATEGORY 4: GRIILING GE 200 BUT LESS THAN 1500 FEET WITH VICINITY GE 1/2 MILE  
AND/OR  
VISIBILITY GE 1/2 MILE (0300 METERS) BUT LESS THAN 2 MILES (4000 M)

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49

(DEG REELS)

(N) 350-010 4.9 4.1 1.9 .1

020-040 5.2 7.1 4.5 .5

050-070 5.4 4.5 2.6 .2

(E) 080-100 4.2 2.3 1.0

110-130 2.5 1.3 .2

140-160 4.2 2.7 1.7

(S) 170-190 2.2 2.1 .3

200-220 2.4 1.2 .1

230-250 2.2 .6

(W) 260-280 2.7 .6

290-310 1.2 .3

320-340 1.1 .9 .2 .3

VARIABLE

CALM //////////////////////////////////////

TOTALS 41.5 28.9 13.5 .9

TOTAL NUMBER OF OBSERVATIONS 875

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: AUG HOURS: ALL

1000 FEET WITH VISIBILITY OF 1/2 MILE (800 METERS).

1000) BUT LESS THAN 3 MILES (4000 METERS) WITH CEILING OF 200 FEET.

WIND SPEED IN KNOTS

20-24 25-29 30-34 35-39 40-44 50-54 55-59 TOTAL YEAR MEAN

11.0 5.0 5.0

13.1 5.2 5.0

12.7 5.0 5.2

7.5 5.2 4.0

5.2 5.2 5.0

5.3 5.1 5.0

5.4 4.7 4.0

5.2 4.2 4.0

3.4 3.3 3.0

3.3 3.0 3.0

1.5 3.3 4.2

2.0 5.0 5.0

14.3

100.0 4.4 5.0

END OF OBSERVATIONS 305

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB GA  
LST TO UTC: + 5

PERIOD:  
MONTH: 5

..... WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45 |
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|----|
| (N) 350-010            | 3.3 | 1.2 | .2    |       |       |       |       |       |       |    |
| 020-040                | 2.2 | 2.2 | .3    |       |       |       |       |       |       |    |
| 050-070                | 1.0 | 2.0 | .4    |       |       |       |       |       |       |    |
| (E) 080-100            | .7  | .6  |       |       |       |       |       |       |       |    |
| 110-130                | .4  | .4  | .1    | .1    |       |       |       |       |       |    |
| 140-160                | 1.5 | .3  | .2    |       | .1    |       |       |       |       |    |
| (S) 170-190            | 2.2 | 1.1 |       |       |       |       |       |       |       |    |
| 200-220                | 2.6 | 2.4 | .4    |       |       |       |       |       |       |    |
| 230-250                | 3.7 | 3.7 |       |       |       |       |       |       |       |    |
| (W) 260-280            | 5.2 | 4.5 | .1    |       |       |       |       |       |       |    |
| 290-310                | 5.7 | 2.3 | .1    |       |       |       |       |       |       |    |
| 320-340                | 4.7 | 1.4 | .3    |       |       |       |       |       |       |    |

..... VARIABLE

|        |                      |      |     |    |    |  |  |  |  |  |
|--------|----------------------|------|-----|----|----|--|--|--|--|--|
| CALM   | //////////////////// |      |     |    |    |  |  |  |  |  |
| TOTALS | 43.5                 | 24.1 | 2.4 | .1 | .1 |  |  |  |  |  |

TOTAL NUMBER OF OBSERVATIONS 700

.....

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION:

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: SEP HOURS: 00-02

WIND SPEED IN KNOTS

| 10-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | TOTAL | MEAN | STDEV |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

1

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

1

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|------|------|------|------|------|------|------|------|------|------|------|

OF OBSERVATIONS 100



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE IN  
FROST HOURLY DISTRIBUTIONS

STATION NUMBER: 725055

STATION NAME: 2845H AFB TN

1961

LST TO UTC: + 8

1961

.....

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(0500000000) WIND SPEED IN KNOTS

.....

(H) 350-010 1.7 1.2 .5

.....

020-040 1.1 1.2 .5

.....

050-070 1.1 1.7 .5 .2

.....

(S) 080-100 .4 .5

.....

110-130 .2 .3

.....

140-160 1.2 .2

.....

(S) 170-190 1.5 .3

.....

200-220 1.3 1.5 .1

.....

230-250 1.3 1.5 .1

.....

(W) 250-270 1.5 1.1 .2

.....

270-310 1.1 1.3 1.5

.....

320-360 1.2 1.7 .3

.....

74-14-11

.....

CALC //

.....

TOTALS 42.5 21.0 3.7 .2

.....

TOTAL NUMBER OF OBSERVATIONS 100

.....

01 FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: AFB NH PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: SEP HOURS: 03-05

WIND SPEED IN KNOTS

| 0-24                 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL<br>% | MEAN<br>WIND     | MEDIAN<br>WIND |
|----------------------|-------|-------|-------|-------|-------|-------|------------|------------------|----------------|
|                      |       |       |       |       |       |       | 4.4        | 4.4              | 4.0            |
|                      |       |       |       |       |       |       | 5.9        | 4.5              | 4.0            |
|                      |       |       |       |       |       |       | 4.6        | 3.2              | 5.0            |
|                      |       |       |       |       |       |       | 1.0        | 4.4              | 5.0            |
|                      |       |       |       |       |       |       | 1.2        | 3.4              | 3.0            |
|                      |       |       |       |       |       |       | 2.4        | 3.0              | 2.0            |
|                      |       |       |       |       |       |       | 1.4        | 2.4              | 2.0            |
|                      |       |       |       |       |       |       | 5.4        | 4.4              | 4.0            |
|                      |       |       |       |       |       |       | 11.5       | 4.1              | 4.0            |
|                      |       |       |       |       |       |       | 12.9       | 4.0              | 4.0            |
|                      |       |       |       |       |       |       | 10.9       | 4.4              | 3.1            |
|                      |       |       |       |       |       |       | 2.2        | 4.0              | 3.0            |
| //////////////////// |       |       |       |       |       |       | 31.5       | //////////////// |                |
|                      |       |       |       |       |       |       | 100.0      | 2.0              | 4.0            |

NUMBER OF OBSERVATIONS 100

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PLEASANT GAP

EST TO UTC: + 5

DATE

TIME

WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|

|             |     |     |    |    |  |  |  |  |  |
|-------------|-----|-----|----|----|--|--|--|--|--|
| (N) 350-010 | 3.0 | 1.3 | .3 | .1 |  |  |  |  |  |
|-------------|-----|-----|----|----|--|--|--|--|--|

|         |     |     |    |    |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|
| 020-040 | 3.3 | 3.4 | .3 | .1 |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|

|         |     |     |    |    |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|
| 050-070 | 2.6 | 2.2 | .5 | .3 |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|

|             |    |    |    |  |  |  |  |  |  |
|-------------|----|----|----|--|--|--|--|--|--|
| (S) 080-100 | .4 | .4 | .1 |  |  |  |  |  |  |
|-------------|----|----|----|--|--|--|--|--|--|

|         |    |    |  |  |  |  |  |  |  |
|---------|----|----|--|--|--|--|--|--|--|
| 110-130 | .4 | .2 |  |  |  |  |  |  |  |
|---------|----|----|--|--|--|--|--|--|--|

|         |     |    |    |  |  |  |  |  |  |
|---------|-----|----|----|--|--|--|--|--|--|
| 140-160 | 1.7 | .2 | .1 |  |  |  |  |  |  |
|---------|-----|----|----|--|--|--|--|--|--|

|             |     |    |  |  |  |  |  |  |  |
|-------------|-----|----|--|--|--|--|--|--|--|
| (S) 170-190 | 1.4 | .4 |  |  |  |  |  |  |  |
|-------------|-----|----|--|--|--|--|--|--|--|

|         |     |     |    |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|
| 200-220 | 2.3 | 2.2 | .1 |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|

|         |     |     |    |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|
| 230-250 | 5.1 | 4.3 | .2 |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|

|             |     |     |    |  |  |  |  |  |  |
|-------------|-----|-----|----|--|--|--|--|--|--|
| (W) 260-280 | 1.5 | 1.2 | .7 |  |  |  |  |  |  |
|-------------|-----|-----|----|--|--|--|--|--|--|

|         |     |     |    |    |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|
| 290-310 | 7.2 | 4.4 | .1 | .1 |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|

|         |     |     |    |    |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|
| 320-340 | 4.8 | 2.1 | .7 | .1 |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|

VARIABLE

CALC

|        |      |      |     |    |  |  |  |  |  |
|--------|------|------|-----|----|--|--|--|--|--|
| TOTALS | 41.7 | 31.8 | 4.3 | .7 |  |  |  |  |  |
|--------|------|------|-----|----|--|--|--|--|--|

TOTAL NUMBER OF OBSERVATIONS 200

# SEQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: SEP HOURS: 06-24

## WIND SPEED IN KNOTS

| 0-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | MEAN | MEDIAN |
|------|-------|-------|-------|-------|-------|-------|-------|------|--------|
|      |       |       |       |       |       |       | 7     | 4.0  | 3.0    |

5.2 4.9 4.0

7.2 5.0 5.0

6.1 5.0 5.0

1.0 5.5 5.0

1.0 4.3 5.0

2.0 4.2 4.0

1.0 3.9 4.0

5.3 4.7 4.2

11.0 4.4 4.0

17.3 4.7 4.0

12.5 4.7 4.0

17.7 4.6 4.0

21.6

100.0 5.7 4.0

WINDS STATISTICS 000

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBS- VARIOUS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

DATE:  
TIME:

WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| (N) 350-010            | 2.1 | 2.6 | .7    |       |       |       |       |       |       |
| 020-040                | 3.1 | 2.9 | .4    | .4    |       |       |       |       |       |
| 050-070                | 2.4 | 3.3 | .7    |       |       |       |       |       |       |
| (E) 080-100            | 2.1 | 2.2 | .2    |       |       |       |       |       |       |
| 110-130                | 1.3 | 1.4 | .7    | .2    |       |       |       |       |       |
| 140-160                | 1.4 | 1.1 | .4    |       |       |       |       |       |       |
| (S) 170-190            | 1.5 | 1.1 | .2    | .1    |       |       |       |       |       |
| 200-220                | 3.2 | 3.1 | .7    |       |       |       |       |       |       |
| 230-250                | 2.3 | 2.7 | 1.2   | .2    |       |       |       |       |       |
| (W) 260-280            | 3.5 | 2.2 | 3.4   | .2    |       |       |       |       |       |
| 290-310                | 3.1 | 3.2 | 4.7   | .7    | .1    |       |       |       |       |
| 320-340                | 2.4 | 1.2 | 2.6   | .2    |       |       |       |       |       |

VARIABLE

CALC

TOTALS

35.1 38.2 15.0 2.0 .1

TOTAL NUMBER OF OBSERVATIONS 727

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

APR 74

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: SEP HOURS: 09-11

WIND SPEED IN KNOTS

| 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MODIAN WIND |
|-------|-------|-------|-------|-------|-------|-------|---------|-----------|-------------|
|-------|-------|-------|-------|-------|-------|-------|---------|-----------|-------------|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 5.3 | 5.6 | 5.0 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 5.9 | 5.0 | 5.0 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 5.4 | 5.7 | 5.0 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 4.6 | 5.0 | 5.2 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 4.1 | 5.3 | 5.0 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 3.0 | 5.3 | 5.0 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 3.1 | 5.2 | 4.5 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 7.0 | 5.2 | 5.0 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|      |     |     |  |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|--|
| 13.4 | 5.3 | 5.0 |  |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|--|

|      |     |     |  |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|--|
| 13.4 | 6.5 | 6.5 |  |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|--|

|      |     |     |  |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|--|
| 12.3 | 5.3 | 5.0 |  |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 7.0 | 7.2 | 5.0 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|
| 5.3 | 5.7 | 5.0 |  |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|--|

|       |     |     |  |  |  |  |  |  |  |
|-------|-----|-----|--|--|--|--|--|--|--|
| 100.0 | 5.7 | 5.0 |  |  |  |  |  |  |  |
|-------|-----|-----|--|--|--|--|--|--|--|

HOURLY OBSERVATIONS 37

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM 400RLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PERIOD  
MONTH

WIND SPEED IN KNOTS

DIRECTION  
(DEGREES)

1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49

(N) 350-010

.4 1.3 .5

020-040

.5 1.3 .7

050-070

1.7 2.3 .9

(E) 080-100

2.0 4.5 .2 .1

110-130

4.1 6.5 .7 .2 .1

140-160

2.3 4.3 1.3 .2 .1

(S) 170-190

1.2 1.2 .3 .1

200-220

3.1 3.5 2.0

230-250

3.4 7.0 2.2 .3

(W) 250-270

2.7 1.7 3.2 .2

290-310

.4 5.1 5.1 .7 .1

320-340

.2 2.2 2.5 .9 .1

VARIABLE

CALM

////////////////////

TOTALS

23.9 40.2 21.5 2.5 .5 .1

TOTAL NUMBER OF OBSERVATIONS 400

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOURLY OBSERVATIONS

APR 74

PERIOD OF RECORD: JUL 79 - JUN 89  
MONTH: SEP HOURS: 12-14

WIND SPEED IN KNOTS

| 0-24                                 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | 65-85 | TOTAL | MEAN                                 | MEDIAN |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|--------------------------------------|--------|
|                                      |       |       |       |       |       |       | 3     | WIND                                 | WIND   |
|                                      |       |       |       |       |       |       | 2.3   | 7.0                                  | 7.0    |
|                                      |       |       |       |       |       |       | 2.6   | 7.7                                  | 7.0    |
|                                      |       |       |       |       |       |       | 5.3   | 5.6                                  | 5.0    |
|                                      |       |       |       |       |       |       | 5.0   | 5.7                                  | 5.0    |
| .2                                   |       | .1    |       |       |       |       | 11.7  | 8.0                                  | 7.0    |
| .1                                   |       |       |       |       |       |       | 3.1   | 7.2                                  | 7.0    |
|                                      |       |       |       |       |       |       | 3.6   | 5.2                                  | 4.0    |
|                                      |       |       |       |       |       |       | 3.7   | 6.5                                  | 5.0    |
|                                      |       |       |       |       |       |       | 13.5  | 5.2                                  | 5.0    |
|                                      |       |       |       |       |       |       | 14.3  | 7.3                                  | 7.0    |
| .1                                   |       |       |       |       |       |       | 13.1  | 7.3                                  | 10.0   |
| .1                                   |       |       |       |       |       |       | 5.7   | 5.5                                  | 10.0   |
| //////////////////////////////////// |       |       |       |       |       |       | 2.3   | //////////////////////////////////// |        |
| .3                                   |       | .1    |       |       |       |       | 100.0 | 7.0                                  | 7.0    |

NO OF OBSERVATIONS 100



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PERIOD  
1971-72

| WIND SPEED IN KNOTS    |                                      |      |       |       |       |       |       |       |       |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |
| (N) 350-010            | .4                                   | .3   | .2    |       |       |       |       |       |       |
| 020-040                | .4                                   | .2   | .2    | .1    |       |       |       |       |       |
| 050-070                | 1.2                                  | 2.4  | .3    |       |       |       |       |       |       |
| (E) 080-100            | 2.2                                  | 3.3  | .3    |       |       |       |       |       |       |
| 110-130                | 2.7                                  | 7.2  |       |       |       | .1    |       |       |       |
| 140-160                | 2.3                                  | 10.3 | 2.9   | .1    |       | .1    |       |       |       |
| (S) 170-190            | 2.5                                  | 2.2  | .7    | .3    |       | .1    |       |       |       |
| 200-220                | 2.1                                  | 5.0  | .2    | .1    |       |       |       |       |       |
| 230-250                | 2.2                                  | 4.3  | 1.9   |       |       |       |       |       |       |
| (N) 260-280            | 2.7                                  | 5.7  | 2.2   | .1    | .1    |       |       |       |       |
| 290-310                | 1.4                                  | 7.3  | 2.9   | .3    |       |       |       |       |       |
| 320-340                | .8                                   | 1.9  | 2.2   | 1.3   | .2    |       |       |       |       |
| .....                  |                                      |      |       |       |       |       |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |
| CAL 1                  | //////////////////////////////////// |      |       |       |       |       |       |       |       |
| TOTALS                 | 26.1                                 | 52.0 | 14.2  | 2.4   | .3    | .3    |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 200

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 - 2000 HOURLY OBSERVATIONS

AREA: NH PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: SEP HOURS: 15-17

WIND SPEED IN KNOTS

| 0-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | TOTAL | MEAN | STDEV |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|      |       |       |       |       |       |       |       | 1.2   | 5.5  | 5.0   |

|  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  | 1.2 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  | 4.4 | 5.3 | 5.0 |
|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  | 5.3 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  | 10.0 | 5.2 | 5.0 |
|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  | 12.3 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  | 5.9 | 5.4 | 5.0 |
|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  | 7.4 | 5.7 | 5.0 |
|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  | 10.2 | 5.1 | 5.0 |
|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  | 10.8 | 5.2 | 5.0 |
|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  | 12.4 | 5.1 | 5.0 |
|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |     |      |      |
|--|--|--|--|--|--|--|--|-----|------|------|
|  |  |  |  |  |  |  |  | 5.4 | 10.7 | 10.0 |
|--|--|--|--|--|--|--|--|-----|------|------|

|  |  |  |  |  |  |  |  |     |      |      |
|--|--|--|--|--|--|--|--|-----|------|------|
|  |  |  |  |  |  |  |  | 4.1 | 10.0 | 10.0 |
|--|--|--|--|--|--|--|--|-----|------|------|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  |  | 100.0 | 5.5 | 5.0 |
|--|--|--|--|--|--|--|--|-------|-----|-----|

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

PERIOD:  
ROUTE:

.....

WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|
|------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|

.....

|             |     |    |    |  |  |  |  |  |  |
|-------------|-----|----|----|--|--|--|--|--|--|
| (N) 350-010 | 1.3 | .5 | .2 |  |  |  |  |  |  |
|-------------|-----|----|----|--|--|--|--|--|--|

|         |     |     |  |  |  |  |  |  |  |
|---------|-----|-----|--|--|--|--|--|--|--|
| 020-040 | 1.3 | 1.0 |  |  |  |  |  |  |  |
|---------|-----|-----|--|--|--|--|--|--|--|

|         |     |     |    |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|
| 050-070 | 1.3 | 1.7 | .3 |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|

|             |     |     |  |  |  |  |  |  |  |
|-------------|-----|-----|--|--|--|--|--|--|--|
| (E) 080-100 | 2.0 | 1.2 |  |  |  |  |  |  |  |
|-------------|-----|-----|--|--|--|--|--|--|--|

|         |     |     |    |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|
| 110-130 | 3.3 | 1.2 | .1 |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|

|         |     |     |    |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|
| 140-160 | 1.6 | 4.0 | .4 |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|

|             |     |     |    |  |  |  |  |  |  |
|-------------|-----|-----|----|--|--|--|--|--|--|
| (S) 170-190 | 5.0 | 2.2 | .2 |  |  |  |  |  |  |
|-------------|-----|-----|----|--|--|--|--|--|--|

|         |     |     |    |    |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|
| 200-220 | 5.5 | 2.4 | .4 | .1 |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|

|         |     |     |    |    |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|
| 230-250 | 5.7 | 1.7 | .1 | .1 |  |  |  |  |  |
|---------|-----|-----|----|----|--|--|--|--|--|

|             |     |     |    |    |    |  |  |  |  |
|-------------|-----|-----|----|----|----|--|--|--|--|
| (W) 250-270 | 4.0 | 1.9 | .2 | .2 | .1 |  |  |  |  |
|-------------|-----|-----|----|----|----|--|--|--|--|

|         |     |     |    |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|
| 290-310 | 4.1 | 0.1 | .7 |  |  |  |  |  |  |
|---------|-----|-----|----|--|--|--|--|--|--|

|         |     |     |     |    |  |  |  |  |  |
|---------|-----|-----|-----|----|--|--|--|--|--|
| 320-340 | 2.7 | 2.1 | 1.1 | .1 |  |  |  |  |  |
|---------|-----|-----|-----|----|--|--|--|--|--|

.....

VARIABLE

CALM //////////////////////////////////////

|        |      |      |     |    |    |  |  |  |  |
|--------|------|------|-----|----|----|--|--|--|--|
| TOTALS | 41.3 | 25.2 | 4.3 | .6 | .1 |  |  |  |  |
|--------|------|------|-----|----|----|--|--|--|--|

TOTAL NUMBER OF OBSERVATIONS 300

.....

0 - 4 - 17

A

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 79 - JUN 89

MONTH: SEP HOURS: 18-20

WIND SPEED IN KNOTS

| 10-24                | 25-29 | 30-34 | 35-39 | 40-44 | 50-64 | 65-85 | TOTAL<br>% | MEAN<br>KNOTS    | MEDIAN<br>KNOTS |
|----------------------|-------|-------|-------|-------|-------|-------|------------|------------------|-----------------|
|                      |       |       |       |       |       |       | 2.8        | 4.1              | 3.0             |
|                      |       |       |       |       |       |       | 2.8        | 3.9              | 4.0             |
|                      |       |       |       |       |       |       | 3.4        | 5.7              | 5.0             |
|                      |       |       |       |       |       |       | 3.2        | 4.0              | 4.0             |
|                      |       |       |       |       |       |       | 4.9        | 3.9              | 3.5             |
|                      |       |       |       |       |       |       | 13.7       | 4.2              | 4.0             |
|                      |       |       |       |       |       |       | 9.4        | 4.1              | 4.0             |
|                      |       |       |       |       |       |       | 9.0        | 4.2              | 4.0             |
|                      |       |       |       |       |       |       | 7.0        | 3.9              | 4.0             |
| .1                   |       |       |       |       |       |       | 7.1        | 5.4              | 4.0             |
|                      |       |       |       |       |       |       | 3.4        | 5.9              | 5.0             |
|                      |       |       |       |       |       |       | 5.0        | 5.1              | 4.0             |
| //////////////////// |       |       |       |       |       |       | 13.9       | //////////////// |                 |
| .1                   |       |       |       |       |       |       | 107.0      | 3.7              | 4.0             |

NO OF OBSERVATIONS 400

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM DAILY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: DEAS- ARS NH  
LST TO UTC: + 5

PERIOD:  
MONTH:

.....  
WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49  
(DEGREES)

.....  
(N) 350-010 1.0 1.4 .2

020-040 2.7 1.8

050-070 1.2 1.1 .5

(E) 080-100 1.1 .7

110-130 1.0 .6 .1

140-160 2.1 .2 .3

(S) 170-190 3.5 1.2 .1

200-220 5.2 3.2 .6 .1

230-250 1.1 2.2 .5

(W) 260-280 7.4 2.2 1.1 .2

290-310 5.3 2.2 .7

320-340 4.2 1.3

.....  
VARIABLE

CAL 1 //////////////////////////////////////

TOTALS 45.0 20.8 4.7 .3

TOTAL NUMBER OF OBSERVATIONS 250

.....

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

A-3 NH

PERIOD OF RECORD: JUL 77 - JUN 80

MONTH: SEP HOURS: 21-23

WIND SPEED IN KNOTS

| 0-24 | 25-33 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | MEAN<br>KTS | MEDIAN<br>KTS |
|------|-------|-------|-------|-------|-------|-------|-------------|---------------|
|------|-------|-------|-------|-------|-------|-------|-------------|---------------|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 3.4 | 4.5 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 4.4 | 3.2 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 3.4 | 5.3 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 1.8 | 3.2 | 3.5 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 1.7 | 4.3 | 3.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 3.3 | 4.5 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 4.0 | 3.5 | 3.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 3.0 | 4.5 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|      |     |     |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|
| 11.3 | 5.0 | 3.0 |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|

|      |     |     |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|
| 11.5 | 6.2 | 4.0 |  |  |  |  |  |  |
|------|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 3.0 | 5.7 | 4.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|     |     |     |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|
| 3.0 | 3.4 | 3.0 |  |  |  |  |  |  |
|-----|-----|-----|--|--|--|--|--|--|

|      |  |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|--|
| 29.0 |  |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|--|

|       |     |     |  |  |  |  |  |  |
|-------|-----|-----|--|--|--|--|--|--|
| 100.5 | 3.0 | 4.0 |  |  |  |  |  |  |
|-------|-----|-----|--|--|--|--|--|--|

WIND DIRECTION (DEG)

OPERATING LOCATION: "A"  
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
WIND DIRECTION ONLY - 100% VARIOUS

STATION NUMBER: 725085

STATION NAME: DEAGH AFB, NC

ELEVATION: + 2

WIND SPEED 10-15 KTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(000-000)

(N) 350-010 1.9 1.4 .4 .0

320-240 2.4 2.0 .3 .1

290-270 1.7 1.2 .3 .1

(E) 030-100 1.4 1.0 .1 .0

110-130 1.4 2.3 .2 .0 .0 .0 .0

140-160 4.1 2.3 .0 .0 .0 .0

(S) 170-190 2.0 1.4 .2 .1 .0

200-220 1.5 3.2 .0 .0

240-260 6.2 4.4 .0 .1

(W) 290-310 4.0 3.7 1.4 .1 .0

320-340 4.3 4.4 2.3 .3 .0

350-380 4.1 1.0 1.7 .0 .0

VARIOUS

CALC //

TOTAL 10.6 22.4 2.2 1.1

TOTAL NUMBER OF OBSERVATIONS 7210

0 31 HENRY AT OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 72 - JUN 73  
 MONTH: SEP YEARS: ALL

WIND SPEED IN KNOTS  
 14 25-29 30-34 35-39 40-44 50-54 55-59 TOTAL ATAN 4.6144

|  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  | 3.7  | 5.0 | 4.0 |
|  |  |  |  |  |  |  | 4.5  | 5.2 | 5.0 |
|  |  |  |  |  |  |  | 4.1  | 5.2 | 5.0 |
|  |  |  |  |  |  |  | 3.2  | 5.1 | 5.0 |
|  |  |  |  |  |  |  | 4.5  | 5.3 | 5.0 |
|  |  |  |  |  |  |  | 5.3  | 5.8 | 5.0 |
|  |  |  |  |  |  |  | 4.2  | 4.5 | 4.0 |
|  |  |  |  |  |  |  | 7.5  | 5.0 | 5.0 |
|  |  |  |  |  |  |  | 11.1 | 4.5 | 4.0 |
|  |  |  |  |  |  |  | 13.3 | 5.5 | 5.0 |
|  |  |  |  |  |  |  | 11.2 | 5.5 | 5.0 |
|  |  |  |  |  |  |  | 1.0  | 3.2 | 4.0 |

100.0 4.4 5.0

WINDS VARIOUS 7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE  
FROM 100% TO 100% VARIATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AF 4.4  
LOT TO UTC: + 5

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2  
400/24  
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4800 METERS)

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(05-0805)

(1) 350-010 3.3 3.7 1.3

020-040 7.2 7.5 1.7 .2

050-070 7.2 12.5 3.3 .5

(2) 080-100 2.2 4.6 .1 .1

110-130 2.5 1.3 .3 .3 .2 .1 .1

140-160 3.1 2.1 1.1 .2 .2 .1

(3) 170-190 2.1 1.2 .1 .1

200-220 2.2 .2 .1 .1

230-250 2.2 .7 .1

(4) 260-280 1.3 .4

290-310 1.4 .4

320-340 2.2 1.7 1.1

VARIABLE

CALC //

TOTALS 37.3 35.4 7.7 1.4 .4 .3 .1

TOTAL NUMBER OF OBSERVATIONS 174



OPERATING LOCATION "AM"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM WINDY OBSERVATIONS

STATION NUMBER: 725053

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

073  
104

WIND SPEED IN KNOTS

| DIRECTION<br>(DEGREES) | 1-4  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|
| (N) 350-010            | 4.3  | 3.2  | .2    | .1    |       |       |       |       |       |
| 020-040                | 2.5  | 2.4  | .4    |       |       |       |       |       |       |
| 050-070                | 1.3  | .4   |       |       |       |       |       |       |       |
| (E) 080-100            | .2   | .2   | .2    |       |       |       |       |       |       |
| 110-130                | .2   |      | .2    |       |       |       |       |       |       |
| 140-160                | 1.4  | 1.7  | .2    | .3    |       |       |       |       |       |
| (S) 170-190            | 1.5  | .3   | .1    | .1    |       |       |       |       |       |
| 200-220                | 3.1  | 1.5  | .1    |       |       |       |       |       |       |
| 230-250                | 2.7  | 4.3  | .3    |       |       |       |       |       |       |
| (W) 260-280            | 1.3  | 5.7  | 1.5   |       |       |       |       |       |       |
| 290-310                | 7.2  | 2.1  | .7    | .1    |       |       |       |       |       |
| 320-340                | 3.1  | 1.5  | .4    | .1    |       |       |       |       |       |
| .....                  |      |      |       |       |       |       |       |       |       |
| VARIABLE               |      |      |       |       |       |       |       |       |       |
| .....                  |      |      |       |       |       |       |       |       |       |
| TOTALS                 | 43.4 | 55.7 | 4.3   | .7    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 133

11 AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM BUOY OBSERVATIONS

12 1964 PERIOD OF RECORD: JUL 70 - JUN 67  
13 MONTH: OCT HOURS: 00-02

14 WIND SPEED IN KNOTS

15 0-24 25-29 30-34 35-39 40-49 50-64 SE 65 TOTAL MEAN DIRECTION

16 ..... 7.3 4.7 4.0

17 ..... 5.6 5.3 5.1

18 ..... 1.7 3.7 3.0

19 ..... .9 6.7 4.0

20 ..... .4 7.3 7.2

21 ..... 3.7 5.2 5.0

22 ..... 3.5 4.1 3.1

23 ..... 4.7 4.2 4.0

24 ..... 11.2 4.3 4.0

25 ..... 17.0 5.0 4.0

26 ..... 12.4 4.4 3.0

27 ..... 7.7 5.2 3.0

28 .....

29 ////////////////////////////////////// 25.1 //////////////////////////////////

30 ..... 100.0 3.5 4.0

31 WIND DIRECTION

32 .....

33 .....

34 .....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM ALL SURFACE STATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AREA NH

LST TO UTC: + 5

PERI

CONT

.....  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES) WIND SPEED IN KNOTS

.....  
(N) 350-010 3.4 3.2 1.0

220-040 2.3 2.5 .5 .1 .1

050-070 1.5 .4 .1

.....  
(E) 080-100 .3 .2 .2 .2

110-130 .6 .4 .1

140-160 .3 1.1 .1

.....  
(S) 170-190 1.2 1.7 .2

200-220 4.1 2.2 .2 .1

230-250 7.7 4.8 .2 .1

.....  
(4) 250-270 2.2 3.2 .2

290-310 4.1 3.2 1.1

320-340 0.2 1.1 .3

.....  
VARIABLE

CALC //

TOTALS 42.1 27.4 5.1 .7 .1

TOTAL NUMBER OF OBS STATIONS 230



OPERATING LOCATION "A"  
USAFETAC, ASHLVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACING  
FROM 4 DUPLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH

PERI

LST TO UTC: + 5

UNIT

|   |  | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |  |
|---|--|---------------------|------|-------|-------|-------|-------|-------|-------|-------|--|
| DIRECTION<br>(DEGREES)  |  | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |  |
| .....   |  |                     |      |       |       |       |       |       |       |       |  |
| (N) 350-010   |  | 3.2                 | 4.0  | 1.0   |       |       |       |       |       |       |  |
| 020-040   |  | 3.2                 | 3.0  | .3    | .1    |       |       |       |       |       |  |
| 050-070   |  | 1.1                 | .5   | .2    | .2    | .1    |       |       |       |       |  |
| (E) 080-100   |  | .4                  | .1   |       |       | .1    |       |       |       |       |  |
| 110-130   |  | .2                  | .2   |       |       |       |       |       |       |       |  |
| 140-160   |  | .6                  | 1.2  | .2    | .3    |       |       |       |       |       |  |
| (S) 170-190   |  | 1.1                 | 1.1  |       |       |       |       |       |       |       |  |
| 200-220   |  | 2.0                 | 1.2  | .2    | .1    | .2    |       |       |       |       |  |
| 230-250   |  | 2.2                 | 4.3  | .1    |       |       |       |       |       |       |  |
| (W) 260-280   |  | 2.1                 | 7.2  | 1.0   | .1    | .1    |       |       |       |       |  |
| 290-310   |  | 3.7                 | 2.9  | 2.4   | .3    | .1    |       |       |       |       |  |
| 320-340   |  | 3.3                 | 2.7  | .1    | .2    |       |       |       |       |       |  |
| .....   |  |                     |      |       |       |       |       |       |       |       |  |
| VARIABLE  |  |                     |      |       |       |       |       |       |       |       |  |
| CALM // |  |                     |      |       |       |       |       |       |       |       |  |
| TOTAL   |  | 41.2                | 31.1 | 7.0   | 1.3   | .5    |       |       |       |       |  |

TOTAL NUMBER OF OBSERVATIONS 100

TENDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

APR 68 NH

PERIOD OF RECORD: JUL 79 - JUL 80

MONTH: OCT HOURS: 06-03

WIND SPEED IN KNOTS

| 0-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | MEAN | MEDIAN |
|------|-------|-------|-------|-------|-------|-------|-------|------|--------|
|      |       |       |       |       |       |       | Z     | WIND | WIND   |

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 6.2 | 5.8 | 5.0 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 7.1 | 5.4 | 5.0 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 2.2 | 7.5 | 2.0 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 1.0 | 4.7 | 5.0 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 1.4 | 4.5 | 5.0 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 2.9 | 7.5 | 7.0 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 2.2 | 4.5 | 4.5 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 4.5 | 5.7 | 5.0 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  | 12.1 | 4.9 | 4.2 |
|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  | 12.0 | 5.0 | 4.0 |
|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  | 12.6 | 5.1 | 5.0 |
|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  | 9.4 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  | 10.7 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|

|  |  |  |  |  |  |  |       |     |     |
|--|--|--|--|--|--|--|-------|-----|-----|
|  |  |  |  |  |  |  | 100.0 | 4.3 | 5.0 |
|--|--|--|--|--|--|--|-------|-----|-----|



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM DAILY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH

LST IN UTC: + 5

TIME

MONTH

WIND SPEED IN KNOTS

DIRECTION  
(DEGREES)

1-4

5-9

10-14

15-19

20-24

25-29

30-34

35-39

40-49

(N) 350-010

2.6

4.0

1.0

.1

020-040

3.5

3.5

1.7

060-070

1.7

2.0

.5

.1

.2

(E) 080-100

1.2

.3

.1

110-130

1.5

1.4

.3

140-160

.6

1.5

1.1

(S) 170-190

.3

1.1

.2

200-220

1.2

2.4

.6

.2

.1

230-250

2.2

5.3

1.2

.2

(A) 260-280

4.2

2.3

4.2

.2

290-310

1.1

3.0

6.2

1.0

.1

320-340

3.7

2.3

3.2

.6

.1

VARIABLE

CALC

TOTALS

11.3

17.8

11.5

3.0

.5

TOTAL NUMBER OF OBSERVATIONS 22

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

441 NH

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: OCT HOURS: 07-11

## WIND SPEED IN KNOTS

| 1-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-54 | GE 55 | TOTAL | MEAN | MEDIAN |
|------|-------|-------|-------|-------|-------|-------|-------|------|--------|
|      |       |       |       |       |       |       | %     | WIND | WIND   |

|     |     |     |
|-----|-----|-----|
| 7.6 | 6.1 | 6.2 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 4.6 | 6.1 | 6.2 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 5.3 | 7.2 | 6.9 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 2.0 | 4.6 | 4.2 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 4.3 | 5.4 | 5.9 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 3.7 | 7.6 | 6.9 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 2.6 | 6.2 | 7.3 |
|-----|-----|-----|

|     |     |     |
|-----|-----|-----|
| 6.2 | 2.5 | 6.2 |
|-----|-----|-----|

|      |     |     |
|------|-----|-----|
| 12.1 | 6.1 | 6.0 |
|------|-----|-----|

|      |     |     |
|------|-----|-----|
| 16.4 | 7.2 | 6.2 |
|------|-----|-----|

|      |     |     |
|------|-----|-----|
| 14.2 | 6.2 | 6.6 |
|------|-----|-----|

|      |     |     |
|------|-----|-----|
| 10.3 | 7.7 | 7.0 |
|------|-----|-----|

|     |     |     |
|-----|-----|-----|
| 2.2 | 6.2 | 6.2 |
|-----|-----|-----|

|       |     |     |
|-------|-----|-----|
| 100.0 | 6.4 | 6.5 |
|-------|-----|-----|

END OF OBSERVATIONS

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM DAILY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PHASE WFS 41  
LST TO UTC: + 5

PERIOD  
20.11

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-45  
(OBSERVES)

(4) 350-010

1.4 2.4 .3 .1

020-040

1.5 2.7 .2

050-070

1.7 3.7 .4 .1 .1

(S) 080-100

2.0 2.2 .3 .1

110-130

3.7 3.4 .2

140-160

1.1 4.2 1.5 .1

(S) 170-190

.2 2.0 .1 .1

200-220

2.0 2.3 1.2 .1

230-250

2.1 3.7 2.0 .1 .2

(4) 260-280

1.2 7.3 6.1 .2 .2

290-310

1.2 3.4 5.3 2.0 .2

320-340

1.1 2.7 3.2 1.1 .2

VARIABLE

CALC

////////////////////////////////////

TOTALS

22.5 42.5 25.2 4.5 1.3

TOTAL NUMBER OF OBSERVATIONS 437

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 79 - JUL 80

MONTH: OCT HOURS: 12-14

WIND SPEED IN KNOTS

| 0-4                  | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | MEAN             | STDEV | MOD |
|----------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|-------|-----|
|                      |     |       |       |       |       |       |       |       |       |       | 4.7   | 5.2              | 5.5   |     |
|                      |     |       |       |       |       |       |       |       |       |       | 2.1   | 2.4              | 2.9   |     |
| .1                   |     |       |       |       |       |       |       |       |       |       | 6.2   | 6.4              | 6.9   |     |
|                      |     |       |       |       |       |       |       |       |       |       | 7.2   | 6.3              | 7.0   |     |
|                      |     |       |       |       |       |       |       |       |       |       | 7.2   | 6.2              | 6.0   |     |
|                      |     |       |       |       |       |       |       |       |       |       | 6.8   | 7.1              | 7.0   |     |
|                      |     |       |       |       |       |       |       |       |       |       | 3.7   | 7.1              | 7.0   |     |
| .1                   |     |       |       |       |       |       |       |       |       |       | 6.2   | 7.2              | 6.0   |     |
| .2                   |     |       |       |       |       |       |       |       |       |       | 10.5  | 7.6              | 7.0   |     |
| .3                   |     |       |       |       |       |       |       |       |       |       | 15.2  | 8.2              | 7.0   |     |
| .4                   |     |       |       |       |       |       |       |       |       |       | 13.8  | 10.5             | 11.0  |     |
| .5                   |     |       |       |       |       |       |       |       |       |       | 6.5   | 6.2              | 11.0  |     |
| //////////////////// |     |       |       |       |       |       |       |       |       |       | 2.    | //////////////// |       |     |
| .3                   |     |       |       |       |       |       |       |       |       |       | 10.5  | 7.6              | 7.0   |     |

WIND DIRECTION

OPERATING LOCATION NAME  
USAFETAC, ASHVILLE, NC

PERIOD OF RECORDING 15 APR 68 - 15 MAY 68  
TIME OF DAY 0000 - 0600

STATION NUMBER: 725753

STATION NAME: D-400 AFV 101

LSF ID: DT2: + 5

WIND SPEED IN KNOTS

DIRECTION  
(0-359°)

1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(N) 350-010

1.4 1.5 .2

020-040

1.2 1.2 .6 .1

050-070

2.2 1.1 .1 .3

(S) 080-100

4.7 3.3 .7 .1

110-130

4.7 3.2

140-160

4.3 7.4 1.1

(S) 170-190

2.3 2.6 .1

200-220

2.7 3.0 .7

230-250

2.3 3.2 1.1 .1

(N) 260-280

2.7 4.5 3.0 .3

290-310

2.0 5.5 4.7 .7 .3 .1

320-340

1.2 3.4 2.7 .3 .4

VARIABLES

CALM

////////////////////

TOTALS

39.3 65.7 14.5 2.1 1.0 .1

TOTAL NUMBER OF OBSERVATIONS

19

A

C - 4 - 7

INDEX OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM JULY OBSERVATIONS

APR 1961 2-111 15 RECORDS: JUL 70 - JUN 71  
MONTH: OCT DAYS: 15-17

WIND IN KNOTS

| 14-16 | 16-18 | 18-20 | 20-22 | 22-24 | 24-26 | 26-28 | 28-30 | TOTAL | MEAN | ST. DEV. |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|
|       |       |       |       |       |       |       |       | 3.1   | 3.1  | 3.2      |
|       |       |       |       |       |       |       |       | 3.7   | 3.4  | 3.2      |
|       |       |       |       |       |       |       |       | 4.4   | 4.3  | 3.2      |
|       |       |       |       |       |       |       |       | 7.0   | 5.4  | 3.2      |
|       |       |       |       |       |       |       |       | 9.2   | 6.5  | 3.2      |
|       |       |       |       |       |       |       |       | 13.9  | 5.7  | 3.2      |
|       |       |       |       |       |       |       |       | 4.4   | 4.3  | 3.2      |
|       |       |       |       |       |       |       |       | 5.0   | 5.6  | 3.2      |
|       |       |       |       |       |       |       |       | 7.2   | 5.0  | 3.2      |
|       |       |       |       |       |       |       |       | 11.2  | 7.1  | 3.2      |
| .1    |       |       |       |       |       |       |       | 13.7  | 3.1  | 3.2      |
| .4    |       |       |       |       |       |       |       | 10.3  | 3.0  | 3.2      |

3.1 3.1 3.2

3.7 3.4 3.2

4.4 4.3 3.2

7.0 5.4 3.2

9.2 6.5 3.2

13.9 5.7 3.2

4.4 4.3 3.2

5.0 5.6 3.2

7.2 5.0 3.2

11.2 7.1 3.2

13.7 3.1 3.2

10.3 3.0 3.2

5.4

1.0 .1 100.0 5.3 3.2

WIND DIRECTION (30)

OPERATING LOCATION: WAM  
JSAFETAC, ASHEVILLE, NC

PC CONTACT: R. BUNNEY, JR. 2000-10-17 17:17  
10-17-17 17:17

STATION NAME: 72575

STATION NAME: 2-1-188-13

LOT TO DEC: 4-8

.....

DIR-CT-1-1 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(2-3-7-8)

.....

(N) 350-310 2.3 1.7 .3

.....

220-190 2.3 1.3 .3

.....

250-170 1.1 .1 .1 .1 .1

.....

(E) 030-130 1.3 .2 .1 .2

.....

110-130 1.2 1.3 .3

.....

140-160 0.7 1.4 .3 .1

.....

(S) 170-190 0.1 1.2 .1

.....

220-220 0.2 2.0 .2

.....

230-250 0.1 1.1 .3 .1

.....

(4) 260-280 0.1 0.7 .1 .1

.....

290-310 0.2 0.2 2.0 .5

.....

320-340 1.7 0.5 1.7 .3

.....

.....

VARIABLE

.....

CAL: //

.....

TOTALS 62.3 25.7 7.0 1.3 .5

.....

TOTAL NUMBER OF OBSERVATIONS 220

.....

2000

DATE: OCT 1975 PAGES: 10-20

DATE: OCT 1975 PAGES: 10-20

100-307014-104213

|     |     |     |     |     |     |     |     |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1-1 | 2-2 | 3-3 | 4-4 | 5-5 | 6-6 | 7-7 | 8-8 | 9-9 | 10-10 | 11-11 | 12-12 | 13-13 | 14-14 | 15-15 | 16-16 | 17-17 | 18-18 | 19-19 | 20-20 | 21-21 | 22-22 | 23-23 | 24-24 | 25-25 | 26-26 | 27-27 | 28-28 | 29-29 | 30-30 | 31-31 | 32-32 | 33-33 | 34-34 | 35-35 | 36-36 | 37-37 | 38-38 | 39-39 | 40-40 | 41-41 | 42-42 | 43-43 | 44-44 | 45-45 | 46-46 | 47-47 | 48-48 | 49-49 | 50-50 | 51-51 | 52-52 | 53-53 | 54-54 | 55-55 | 56-56 | 57-57 | 58-58 | 59-59 | 60-60 | 61-61 | 62-62 | 63-63 | 64-64 | 65-65 | 66-66 | 67-67 | 68-68 | 69-69 | 70-70 | 71-71 | 72-72 | 73-73 | 74-74 | 75-75 | 76-76 | 77-77 | 78-78 | 79-79 | 80-80 | 81-81 | 82-82 | 83-83 | 84-84 | 85-85 | 86-86 | 87-87 | 88-88 | 89-89 | 90-90 | 91-91 | 92-92 | 93-93 | 94-94 | 95-95 | 96-96 | 97-97 | 98-98 | 99-99 | 100-100 | 101-101 | 102-102 | 103-103 | 104-104 | 105-105 | 106-106 | 107-107 | 108-108 | 109-109 | 110-110 | 111-111 | 112-112 | 113-113 | 114-114 | 115-115 | 116-116 | 117-117 | 118-118 | 119-119 | 120-120 | 121-121 | 122-122 | 123-123 | 124-124 | 125-125 | 126-126 | 127-127 | 128-128 | 129-129 | 130-130 | 131-131 | 132-132 | 133-133 | 134-134 | 135-135 | 136-136 | 137-137 | 138-138 | 139-139 | 140-140 | 141-141 | 142-142 | 143-143 | 144-144 | 145-145 | 146-146 | 147-147 | 148-148 | 149-149 | 150-150 | 151-151 | 152-152 | 153-153 | 154-154 | 155-155 | 156-156 | 157-157 | 158-158 | 159-159 | 160-160 | 161-161 | 162-162 | 163-163 | 164-164 | 165-165 | 166-166 | 167-167 | 168-168 | 169-169 | 170-170 | 171-171 | 172-172 | 173-173 | 174-174 | 175-175 | 176-176 | 177-177 | 178-178 | 179-179 | 180-180 | 181-181 | 182-182 | 183-183 | 184-184 | 185-185 | 186-186 | 187-187 | 188-188 | 189-189 | 190-190 | 191-191 | 192-192 | 193-193 | 194-194 | 195-195 | 196-196 | 197-197 | 198-198 | 199-199 | 200-200 | 201-201 | 202-202 | 203-203 | 204-204 | 205-205 | 206-206 | 207-207 | 208-208 | 209-209 | 210-210 | 211-211 | 212-212 | 213-213 | 214-214 | 215-215 | 216-216 | 217-217 | 218-218 | 219-219 | 220-220 | 221-221 | 222-222 | 223-223 | 224-224 | 225-225 | 226-226 | 227-227 | 228-228 | 229-229 | 230-230 | 231-231 | 232-232 | 233-233 | 234-234 | 235-235 | 236-236 | 237-237 | 238-238 | 239-239 | 240-240 | 241-241 | 242-242 | 243-243 | 244-244 | 245-245 | 246-246 | 247-247 | 248-248 | 249-249 | 250-250 | 251-251 | 252-252 | 253-253 | 254-254 | 255-255 | 256-256 | 257-257 | 258-258 | 259-259 | 260-260 | 261-261 | 262-262 | 263-263 | 264-264 | 265-265 | 266-266 | 267-267 | 268-268 | 269-269 | 270-270 | 271-271 | 272-272 | 273-273 | 274-274 | 275-275 | 276-276 | 277-277 | 278-278 | 279-279 | 280-280 | 281-281 | 282-282 | 283-283 | 284-284 | 285-285 | 286-286 | 287-287 | 288-288 | 289-289 | 290-290 | 291-291 | 292-292 | 293-293 | 294-294 | 295-295 | 296-296 | 297-297 | 298-298 | 299-299 | 300-300 | 301-301 | 302-302 | 303-303 | 304-304 | 305-305 | 306-306 | 307-307 | 308-308 | 309-309 | 310-310 | 311-311 | 312-312 | 313-313 | 314-314 | 315-315 | 316-316 | 317-317 | 318-318 | 319-319 | 320-320 | 321-321 | 322-322 | 323-323 | 324-324 | 325-325 | 326-326 | 327-327 | 328-328 | 329-329 | 330-330 | 331-331 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

4.2      4.7      4.9

4. 2      4. 2      4. 2

• 1 2.4 2.5 2.6

2.6      2.7      3.3

3. 2. 4. 5.

1. 2. 3.

3.1      2.6      3.0

7. 7      4. 4      4. 4

7. 6. 4.

1.7      1.2      1.1

10. 2 10. 2 10. 2

7. 2. 3. 4. 5.

22.2 // // // // //

• 5 190.3 4.1 4.2

6 OBSERVATIONS 229



OPERATING LOCATION: TAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM JULY 1951 TO 1954

STATION NUMBER: 725085

STATION NAME: PEARL AFB TX  
LST TO UTC: + 8

2-213  
43411

|                        |  | WIND SPEED IN KNOTS |     |       |       |       |       |       |       |       |       |
|------------------------|--|---------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES) |  | 1-4                 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-59 |
| (N) 350-010            |  | 2.3                 | 1.6 | .6    | .1    |       |       |       |       |       |       |
| 020-040                |  | 1.7                 | 2.4 | .4    |       |       |       |       |       |       |       |
| 050-070                |  | 1.0                 | .0  | .3    |       |       |       |       |       |       |       |
| (E) 080-100            |  | .5                  | .3  | .1    |       |       |       |       |       |       |       |
| 110-130                |  | .4                  | .5  | .4    | .2    |       |       |       |       |       |       |
| 140-160                |  | 2.0                 | 1.2 | .2    | .1    |       |       |       |       |       |       |
| (S) 170-190            |  | 2.3                 | 1.0 |       |       |       |       |       |       |       |       |
| 200-220                |  | 4.3                 | 3.0 |       |       |       |       |       |       |       |       |
| 230-250                |  | 5.5                 | 2.5 | 1.3   | 1.1   |       |       |       |       |       |       |
| (N) 260-280            |  | 5.2                 | 5.1 | .0    | .2    |       |       |       |       |       |       |
| 290-310                |  | 5.9                 | 4.5 | 1.5   | .2    |       |       |       |       |       |       |
| 320-340                |  | 6.7                 | 2.5 | .5    | .2    |       |       |       |       |       |       |

VARIABLE

CAL

TOTALS

37.0 23.5 5.2 1.1

TOTAL NUMBER OF OBSERVATIONS 230

AGENCY OF ACCUMULATED SURFACE WIND DIRECTION VELOCITY WIND SPEED  
 24-HR DAILY OBSERVATIONS

4-1-84 PERIOD OF RECORD: JUL 79 - JUL 80  
 484TH: 101 HOURS: 21-23

WIND SPEED IN KNOTS

| 0-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | TOTAL | MEAN | STDEV |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
|      |       |       |       |       |       |       |       |       |       | 41.0  | 4.1  | 5.0   |
|      |       |       |       |       |       |       |       |       |       | 4.1   | 5.4  | 5.0   |
|      |       |       |       |       |       |       |       |       |       | 4.5   | 5.5  | 5.5   |
|      |       |       |       |       |       |       |       |       |       | 5.0   | 6.7  | 6.0   |
|      |       |       |       |       |       |       |       |       |       | 1.1   | 4.4  | 2.0   |
|      |       |       |       |       |       |       |       |       |       | 1.5   | 7.0  | 5.0   |
|      |       |       |       |       |       |       |       |       |       | 4.5   | 4.5  | 4.0   |
|      |       |       |       |       |       |       |       |       |       | 3.2   | 3.5  | 2.0   |
|      |       |       |       |       |       |       |       |       |       | 7.3   | 4.3  | 4.0   |
|      |       |       |       |       |       |       |       |       |       | 5.0   | 4.0  | 6.0   |
|      |       |       |       |       |       |       |       |       |       | 12.2  | 5.0  | 4.0   |
|      |       |       |       |       |       |       |       |       |       | 13.4  | 3.3  | 4.0   |
|      |       |       |       |       |       |       |       |       |       | 5.0   | 3.1  | 4.0   |

27.0

100.0 3.0 4.0

WIND DIRECTION OBSERVATIONS 230

OPERATING LOCATION: "W"  
USAFETAC, ASSESSMENT

STATION NAME: HAWAIIAN ISLANDS  
STATION NO: 7-5-1

STATION NO: 7-5-1

STATION NAME: HAWAIIAN ISLANDS

STATION NO: 7-5-1

STATION NO: 7-5-1

STATION NAME: HAWAIIAN ISLANDS

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

OPERATING LOCATION: "W"  
USAFETAC, ASSESSMENT

STATION NAME: HAWAIIAN ISLANDS  
STATION NO: 7-5-1

STATION NO: 7-5-1

STATION NAME: HAWAIIAN ISLANDS

STATION NO: 7-5-1

STATION NO: 7-5-1

STATION NAME: HAWAIIAN ISLANDS

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

ENERGY IN ADJUSTED SPREADSHEET VIEW OF QUIN VERSUS HIGH SPREAD  
 A FULLY ADJUSTED VIEW

PERIOD OF RECORD: JUL 77 - JUN 78  
 MONTH: JAN YEARS: 1977

SPREADSHEET

1-77 2-77 3-77 4-77 5-77 6-77 7-77 8-77 9-77 10-77 11-77 12-77 TOTAL

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



UNION OF SOVIET SOCIALIST REPUBLICS AIR FORCE 1508 1700 1900  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900

UNITED STATES OF AMERICA JUL 20 - JUL 21  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

UNITED STATES AIR FORCE 1508 1700 1900

1. DATE \_\_\_\_\_

[illegible]

• • •

(4) 3-14-2017

17-11-1964

(1)  $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$   $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$   $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$   $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$   $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$

11-1-1

1-10

(S) 172-121

2010-2011 2011-2012

[illegible]

(1) \_\_\_\_\_

*Journal of Management Education* 30(6)p.789-804

*Journal of Management Education* 30(6)p.789-804

✓ : 1 :

.....

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO









OPERATING LOCATION: "A"  
USAFETAC, AFB/VILLAGE

PERCENTAGE EFFICIENCY OF RECEIVING STATION: 100%  
STATION NAME: 100%

STATION NUMBER: 725055

STATION NAME: 100%

STATION TYPE: + 5

100%

100%

.....

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(0-54136)

.....

(1) 350-310 2.9 1.4 1.0 .1

.....

020-040 1.3 3.2 1.0 .7

.....

050-070 1.1 .7 .6 .2 .1

.....

(2) 080-100 .9 .1 .1

.....

110-130 .9 .2 .4

.....

140-160 1.4 .7 .4

.....

(3) 170-190 1.2 1.7 .7

.....

200-220 4.0 4.2 .7

.....

230-250 4.7 5.2 .7

.....

(4) 250-270 4.7 7.3 1.0 .2

.....

290-310 5.1 5.5 4.6 1.3 .2

.....

320-340 4.0 1.3 .7

.....

VARIABLE

CALCULATION: //

TOTALS 33.1 14.4 12.7 2.3 .3

TOTAL PERCENT OF OBSERVATIONS 100

.....

AGENCY OF HOORHENDS SURFACE AND DIVISION 178515 WITH SPEED  
 178515 ONLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 80  
 UNIT: DJV HOURS: 06-12

WATER SPEED IN KNOTS

| 10-19  | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | TOTAL | WIND | WAVE |
|--|-------|-------|-------|-------|-------|-------|------|------|
|  |       |       |       |       |       |       | 11.0 | 11.0 |
|  |       |       |       |       |       | 3.4   | 5.4  | 5.2  |
|  |       |       |       |       |       | 5.0   | 7.1  | 7.0  |
| .1   |       |       |       |       |       | 5.7   | 7.1  | 7.0  |
|  |       |       |       |       |       | 5.7   | 3.2  | 2.2  |
|  |       |       |       |       |       | 1.2   | 7.4  | 5.7  |
|  |       |       |       |       |       | 2.5   | 4.7  | 5.0  |
|  |       |       |       |       |       | 4.2   | 3.4  | 5.2  |
|  |       |       |       |       |       | 9.1   | 5.4  | 5.0  |
|  |       |       |       |       |       | 10.1  | 5.7  | 5.0  |
|  |       |       |       |       |       | 13.0  | 5.1  | 5.3  |
| .2   |       |       |       |       |       | 17.9  | 7.5  | 7.0  |
|  |       |       |       |       |       | 5.0   | 4.5  | 5.0  |
| //////////////////////////////////// 15.2 ////////////////////////////////// |       |       |       |       |       |       |      |      |
| .3   |       |       |       |       |       | 100.0 | 5.1  | 5.0  |

WINDS VARIATIONS

OPERATING LOCATION: NAM  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND DIRECTION  
1000-1000

STATION NUMBER: 735055

STATION NAME: DIAL 4 1000

EST TO WIND: + 5

.....

WIND SPEED IN MPH

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(DEGREES)

.....

(N) 350-310 2.3 3.5 1.6

020-040 2.9 4.0 1.7 .1

050-070 .7 1.2 .2 .4

(S) 080-100 .4 .2 .4

110-130 .7 .9 .1 .1

140-160 .8 1.2 .3

(S) 170-190 .2 .2 .4

200-220 2.9 3.1 1.1

230-250 3.2 3.2 2.3

(W) 260-280 2.1 1.2 4.1 .7 .2

290-310 2.1 2.3 3.9 2.5 .2

320-340 2.7 3.4 2.3 1.1 .1

.....

VARIABLE

CAL //

TOTALS 26.8 32.7 22.7 5.5 1.2

TOTAL NUMBER OF OBSERVATIONS 100

.....

A

C - 4 - 104

ANALYSIS OF OCCUPANCY SOURCE FOR WIND DIRECTION VERSUS WIND SPEED  
 FROM 17 JULY TO 11 AUGUST 1974

STATION: 11W DATES: JUL 74 - JUL 74  
 DATES: 11W DATES: 07-11

WIND SPEED IN KNOTS

| 0-5  | 5-10 | 10-15 | 15-20 | 20-25 | 25-30 | TOTAL | PERCENT | PERCENT |
|------|------|-------|-------|-------|-------|-------|---------|---------|
| 1    | 1    | 1     | 1     | 1     | 1     | 6     | 100.0   | 100.0   |
| 5.0  | 5.0  | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 83.3    | 83.3    |
| 10.0 | 10.0 | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 16.7    | 16.7    |
| 15.0 | 15.0 | 15.0  | 15.0  | 15.0  | 15.0  | 15.0  | 25.0    | 25.0    |
| 20.0 | 20.0 | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 33.3    | 33.3    |
| 25.0 | 25.0 | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 41.7    | 41.7    |
| 30.0 | 30.0 | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 50.0    | 50.0    |
| 35.0 | 35.0 | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 58.3    | 58.3    |
| 40.0 | 40.0 | 40.0  | 40.0  | 40.0  | 40.0  | 40.0  | 66.7    | 66.7    |
| 45.0 | 45.0 | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 75.0    | 75.0    |
| 50.0 | 50.0 | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 83.3    | 83.3    |
| 55.0 | 55.0 | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 91.7    | 91.7    |
| 60.0 | 60.0 | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 100.0   | 100.0   |

100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

NO OBSERVATIONS 100

OPERATING LOCATION: WAM  
USABETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF 1000-1500 OF TALL 11.0  
FROM HOURLY 1500 VALUES

STATION ID: 72585

STATION NAME: QUAIL LAKE

EST. TO JFC: 4.5

DATE: 11-1-77

TIME: 11:00

11.0 50.0 11.0 11.0

DIRECTION

1-4

5-9

10-14

15-19

20-24

25-29

30-34

35-39

40-44

(056815)

(N) 350-210

1.5

2.0

1.3

.2

220-160

1.2

3.2

.2

.1

050-170

1.7

1.5

.7

.1

(E) 280-100

1.3

.4

.3

110-150

1.2

1.6

.2

160-160

1.3

1.2

.5

(S) 170-130

1.5

1.4

.7

200-240

1.9

2.4

1.3

230-200

1.4

5.4

3.0

(V) 280-200

1.2

7.1

1.1

.4

.0

290-310

1.4

5.3

9.0

4.0

.3

320-340

1.2

4.2

3.4

1.0

.2

VARIABLE

CALC

TOTALS

14.7

43.2

29.0

5.7

1.2

TOTAL NUMBER OF OBSERVATIONS 400

POICY OF 1950-1962 SURFACE AND DISCRETION VERSUS RIF 5000  
7000-8000 1950-1962

• • • • •

DECLASSIFIED BY: JPL 74 - JPL 77

MONTHS: 43V PAGES: 12-14

100-2011-104746

|       |       |       |       |       |       |       |       |       |          |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | MEAN  | STANDARD |
| 3     | 2     | 1     | 1     | 1     | 1     | 1     | 10    | 34.00 | 11.21    |

7.1

0.1      0.5      1.0

• • •

11

2. 3. 4.

5. 1 2 3

2. 1

3.7      3.4      3.2

11.0      7.0      7.0

14

22. 11.5 11.7

10.1 10.4 10.7

3.7 //

100.0 100.0 100.0

(iii)



OPERATING LOCATION NAME  
USAFETAC, ASHVILLE, NC

REPORTING FREQUENCY OF OCCUPANCY DURING PERIOD  
FROM 0000Z 10/10/78 TO 0000Z 11/10/78

STATION NUMBER: 724055

STATION NAME: REAR AREA  
LAT TO WGS: + 5

DATE: 10/10/78  
TIME: 0000Z

DIRECTION SPOTS IN PERIOD

| DIRECTION<br>(DEGREES) | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| (N) 350-010            | 1.0                                  | 2.2  | .7    | .1    |       |       |       |       |       |
| 020-040                | 1.0                                  | 2.2  | .     | .2    | .2    |       |       |       |       |
| 050-070                | 2.7                                  | 2.3  | .8    | .2    |       |       |       |       |       |
| (E) 080-100            | 2.1                                  | .7   | .4    |       |       |       |       |       |       |
| 110-130                | 2.2                                  | 1.0  | .1    |       |       |       |       |       |       |
| 140-160                | 3.0                                  | 3.2  | 1.1   |       |       |       |       |       |       |
| (S) 170-190            | 1.8                                  | 1.0  | .2    |       |       |       |       |       |       |
| 200-220                | 2.3                                  | 2.1  | .2    |       |       |       |       |       |       |
| 230-250                | 2.2                                  | 2.1  | .2    |       |       |       |       |       |       |
| (W) 260-280            | 3.7                                  | 2.1  | 3.0   | .4    |       |       |       |       |       |
| 290-310                | 2.3                                  | 2.1  | 2.4   | 3.6   | .1    | .1    |       |       |       |
| 320-340                | 1.5                                  | 3.3  | 2.7   | .3    | .2    |       |       |       |       |
| .....                  |                                      |      |       |       |       |       |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |
| CALC                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |
| TOTALS                 | 30.4                                 | 30.3 | 17.0  | 4.9   | 1.2   | .1    |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 100

STATION: 10015 PENT. SURFACE WIND DIRECTION VERSUS WIND SPEED  
 STATION: 10015 PENT. SURFACE WIND DIRECTION VERSUS WIND SPEED

PERIOD RECORDED: JUL 74 - JUN 75  
 INSTR: ADV DURS: 15-17

DATA IN KNOTS

| 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | TOTAL | WIND | WIND |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
|       |       |       |       |       |       |       |       |       |       |       | 3     | 41.0 | 1.0  |

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 6.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 0.7 | 7.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 0.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 0.1 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 4.0 | 4.0 | 4.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 10.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 0.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 0.7 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 7.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 10.0 | 7.0 | 7.0 |
|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|--|--|--|--|--|--|--|--|--|--|--|------|------|------|
|  |  |  |  |  |  |  |  |  |  |  | 20.0 | 10.0 | 10.0 |
|--|--|--|--|--|--|--|--|--|--|--|------|------|------|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 7.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 0.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 0.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|

|  |  |  |  |  |  |  |  |  |  |  |      |     |     |
|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|
|  |  |  |  |  |  |  |  |  |  |  | 10.0 | 0.0 | 0.0 |
|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|

STATION: 10015 PENT. SURFACE WIND DIRECTION VERSUS WIND SPEED

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH SIZE  
OF BUBBLES IN THE FOAM

1. 2. 3. 4.

U. T. 8

DRYDEN 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49  
 (1015-150)

32 (14) 0.7 3.4 2.6 .3 .7

|      |      |      |      |     |     |
|------|------|------|------|-----|-----|
| TIME | 34.7 | 35.0 | 17.4 | 5.3 | ... |
|------|------|------|------|-----|-----|

TOTAL NUMBER OF IDENTIFICATIONS 100

1. 2. 3. 4.

DATE: 11/11/83 TIME: 12-22

10-11 10-12 10-13 10-14 10-15 10-16 10-17 10-18 10-19 10-20 10-21 10-22 10-23 10-24 10-25 10-26 10-27 10-28 10-29 10-30 10-31 11-1 11-2 11-3 11-4 11-5 11-6 11-7 11-8 11-9 11-10 11-11 11-12 11-13 11-14 11-15 11-16 11-17 11-18 11-19 11-20 11-21 11-22 11-23 11-24 11-25 11-26 11-27 11-28 11-29 11-30 12-1 12-2 12-3 12-4 12-5 12-6 12-7 12-8 12-9 12-10 12-11 12-12 12-13 12-14 12-15 12-16 12-17 12-18 12-19 12-20 12-21 12-22 12-23 12-24 12-25 12-26 12-27 12-28 12-29 12-30 12-31

.. I ' . . . . . i . . .

1. 2. 3.

1. 1. 1.

• • • • •

1. 1. 1.

7

• • • • •

*Journal of Management Education* 30(6)

100

1. 2. 3.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

[illegible]

• • • • •

1. *//////////*

1920

100-441105-100

DEPARTING LOCATION NAME  
JSA-117, 117 VILLAGE

PERCENTAGE OF ENERGY

100%  
117

STATION 117 : 117-117

STATION 117 : 117-117

117-117

|             |     |     |      |     |     |     |     |     |     |
|-------------|-----|-----|------|-----|-----|-----|-----|-----|-----|
|             | 1-1 | 2-1 | 10-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 |
| (S) 117-117 | 1.7 | 2.2 | 1.1  | 1.1 |     |     |     |     |     |
| 120-117     | 1.4 | 2.1 |      | 1.1 |     |     |     |     |     |
| 130-117     | 1.1 | 1.1 |      | 1.1 |     |     |     |     |     |
| (S) 130-117 | 1.2 | 1.2 | 1.2  |     |     |     |     |     |     |
| 140-117     | 1.1 | 1.1 | 1.1  |     |     |     | 1.1 |     |     |
| 140-117     | 1.1 | 1.1 | 1.1  |     |     |     |     |     |     |
| (S) 170-117 | 1.1 | 1.1 | 1.1  | 1.1 | 1.1 |     |     |     |     |
| 220-117     | 1.1 | 1.1 | 1.1  |     |     |     |     |     |     |
| 230-117     | 1.1 | 1.1 | 1.1  | 1.1 |     |     |     |     |     |
| (n) 250-117 | 1.2 | 1.2 | 1.2  | 1.2 | 1.2 |     |     |     |     |
| 270-117     | 1.1 | 1.1 | 1.1  | 1.1 | 1.1 | 1.1 | 1.1 |     |     |
| 300-117     | 1.1 | 1.1 | 1.1  | 1.1 |     |     |     |     |     |

VARIABLE

CALC //

TOTALS

11.1 33.2 12.6 1.1 1.1

TOTAL PERCENT OF ENERGY



OPERATING LOCATION NAME  
 05000000, 00000000

PERIOD OF RECORD 00000000 00000000  
 00000000 00000000

STATION NUMBER: 000000

SERIAL NAME: 000000

UNIT ID: 000000

DESCRIPTION

1-4

5-7

10-14

15-19

20-24

25-29

30-34

35-39

40-44

(000000)

(1) 300-400

0.0

0.0

0.0

0.1

0.0

400-500

1.0

0.0

1.1

0.0

0.0

500-600

1.0

1.0

0.0

0.0

0.0

(2) 600-700

0.0

0.0

0.0

0.1

700-800

1.0

1.1

0.0

0.0

0.0

800-900

0.0

0.0

0.0

0.0

0.0

(3) 900-1000

0.0

0.0

0.0

0.1

0.0

1000-1100

0.0

0.0

0.0

1100-1200

0.0

0.0

0.0

0.0

0.0

(4) 1200-1300

0.0

0.0

0.0

0.0

0.1

1300-1400

0.0

0.0

0.0

0.0

0.0

1400-1500

0.0

0.0

0.0

0.0

0.1

WINDS

TIME

////////////////////////////////////

TOTALS

0.0

0.1

1.7

0.2

0.0

TOTAL OF 000000 STATIONS 000000

ANALYSIS OF RECORDS ABOUT SUICIDE AND DEATHS VERSUS AIDS DURING  
THE EARLY 1980S

PERIOD OF RECORD: JUL 79 - JUN 80  
CITY: L.A. COUNTRIES: ALL

PERIOD OF RECORD

79-80 80-81 81-82 82-83 83-84 84-85 85-86 86-87 87-88 88-89 89-90 TOTAL

11.0 11.0 11.0

8.8 8.1 8.5

8.3 8.1 8.2

8.2 8.1 8.3

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2

8.1 8.1 8.2



OPERATING LOCATION: WAM  
USAF/INOC, APO WHEELING

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
WIND DIRECTION (0-359)

STATION NUMBER: 72005

STATION NAME: WAM

ELEVATION: 100

TIME

DATE

CATEGORY A: WINDS OF 200 KNOTS OR LESS THAN 1000 FEET AGL  
AND/OR

VISIBILITY OF 1/2 MILE (800 METERS) OR LESS THAN 3 MILES (4.8 KM)

WIND DIRECTION

DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(0-359)

(H) 350-359 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

320-349 2.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

290-319 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

(E) 260-289 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

110-139 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

140-169 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

(S) 170-199 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

200-229 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

230-259 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

(N) 260-289 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

290-319 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

320-349 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

VARIABLE

CALM

TOTALS 15.1 15.1 15.1 15.1 15.1 15.1 15.1 15.1

TOTAL NUMBER OF OBSERVATIONS 1000



OPERATING LOCATION: WAW  
USAF TAC, ASH-VILLE, NC

PERCENTAGE ABUNDANCE OF WOOD RINGS DISTANCE (M)  
FROM TRIPLY 113 271111

STATION NUMBER: 726065

STATION NAME: PLACE WED. NR

DATE

LST TO UTC: + 5

TIME

4120 SPT 5 11 30 HRS

DIRECTION  
(DEG-400)

1-4

5-9

10-14

15-19

20-24

25-29

30-34

35-39

40-44

(N) 350-010

3.2

2.0

.5

.3

020-140

1.2

1.2

1.0

.1

050-120

.1

.2

.3

(E) 080-100

.2

.0

.2

110-130

.3

.1

.2

140-100

.0

.2

.4

(S) 170-140

1.2

.5

.2

.1

200-110

2.0

2.7

.9

230-220

1.0

2.9

1.2

(4) 260-280

7.3

7.1

1.1

.7

.3

290-310

4.7

7.0

3.9

2.7

.3

320-340

3.7

1.3

1.9

.1

VARIABLE

CALC

TOTALS

34.2

33.0

12.7

4.0

.7

TOTAL NUMBER OF OBSERVATIONS: 437

MINIMUM OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 1000 HOURS 155 VARIATIONS

PERIOD OF RECORD: JUL 77 - JUL 79  
 MONTH: DEC HOURS: 00-02

0-20 KNOTS

| 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | TOTAL | MEAN | MODAL |
|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1   | 1   | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1    | 1     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 3.0 | 3.7 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4.1 | 5.2 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.3 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.7 | 2.2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.0 | 2.2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.3 | 2.2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2.0 | 3.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7.4 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 14.4 | 5.4 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 12.7 | 5.2 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 17.5 | 7.2 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 9.7 | 7.1 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100.0 | 5.3 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

7/11/77 1111

OPERATING LOCATION: JASPER, ARK. VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH TYPE OF WEATHER

STATION NUMBER: 72495

STATION NAME: JASPER, ARK.

DATE: 12/1/54

EST. TIME: 4.5

12/1/54

| .....               |                                      |      |       |       |       |       |       |       |       |       |
|---------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| WIND SPEED: 1.0-1.9 |                                      |      |       |       |       |       |       |       |       |       |
| DIRECTION           | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-59 |
| (M) 350-010         | 1.7                                  | 4.3  | 1.4   |       |       |       |       |       |       |       |
| 020-040             | 1.3                                  | 2.6  | 1.0   |       |       |       |       |       |       |       |
| 050-070             | .2                                   | .2   | .2    | .1    |       |       |       |       |       |       |
| (E) 080-100         | .2                                   | .3   | .2    | .1    |       |       |       |       |       |       |
| 110-130             | .1                                   | .2   | .5    | .1    |       |       |       |       |       |       |
| 140-160             | .1                                   | .2   | .2    |       |       |       |       |       |       |       |
| (S) 170-190         | 1.2                                  | 1.2  | .2    |       |       |       |       |       |       |       |
| 200-220             | 4.4                                  | 3.0  | .2    |       |       |       |       |       |       |       |
| 230-250             | 1.4                                  | 4.0  | 1.8   | .1    |       |       |       |       |       |       |
| (N) 260-280         | 1.5                                  | 2.3  | 1.1   | .2    |       |       |       |       |       |       |
| 290-310             | 1.7                                  | 3.9  | 3.5   | 1.9   | 1.0   |       |       |       |       |       |
| 320-340             | 3.3                                  | 3.1  | 1.5   | 1.5   | .2    |       |       |       |       |       |
| .....               |                                      |      |       |       |       |       |       |       |       |       |
| VARIABLE            |                                      |      |       |       |       |       |       |       |       |       |
| CALC                | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |
| TOTAL               | 31.6                                 | 31.6 | 13.7  | 3.0   | 1.2   |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS: 125

CHANCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 1. SURFACE WIND DIRECTION

PERIOD OF RECORD: JUL 77 - JUN 78  
 MONTH: DEC DECS: 03-05

| 1-14 | 15-29 | 30-34 | 35-39 | 40-49 | 50-54 | 55-59 | TOTAL | MEAN | STANDARD |
|------|-------|-------|-------|-------|-------|-------|-------|------|----------|
|      |       |       |       |       |       |       |       | 41.3 | 41.0     |
|      |       |       |       |       |       |       | 7.4   | 5.5  | 5.2      |
|      |       |       |       |       |       |       | 4.7   | 5.2  | 5.5      |
|      |       |       |       |       |       |       | 1.9   | 7.7  | 7.0      |
|      |       |       |       |       |       |       | .2    | 5.3  | 5.2      |
|      |       |       |       |       |       |       | 1.0   | 4.9  | 12.5     |
|      |       |       |       |       |       |       | 1.2   | 5.5  | 5.0      |
|      |       |       |       |       |       |       | 2.0   | 4.2  | 5.0      |
|      |       |       |       |       |       |       | 2.3   | 4.9  | 5.5      |
|      |       |       |       |       |       |       | 11.7  | 5.4  | 5.0      |
|      |       |       |       |       |       |       | 13.5  | 4.5  | 7.3      |
|      |       |       |       |       |       |       | 19.6  | 5.1  | 7.5      |
|      |       |       |       |       |       |       | 20.0  | 7.7  | 5.0      |
|      |       |       |       |       |       |       | 17.5  |      |          |
|      |       |       |       |       |       |       | 106.7 | 5.4  | 5.0      |

1. SURFACE WIND DIRECTION (2)

OPERATING LOCATION NAME  
USAFSTAC, AS 47/ILL 102

PERCENTAGE FREQUENCY OF OCCURRENCE OF STORMS AT  
STATION DURING 1957-1960

STATION NUMBER: 72533

STATION NAME: PLAGE D'OR

EST. TO HIC: + 5

W. H. I.

W. H. I.

.....  
WIND SPEED IN MPH  
DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(0-1000)

.....  
(S) 350-110 2.0 0.5 1.0

.....  
020-102 0.5 2.0 1.0

.....  
350-172 0.2 0.2 0.2

.....  
(C) 340-102 0.5 0.1

.....  
110-137 0.1

.....  
150-100 0.2 0.2

.....  
(S) 170-110 1.3 0.1

.....  
200-212 2.2 0.5 0.5

.....  
230-227 0.2 0.4 1.0 0.1

.....  
(R) 250-200 2.2 0.1 1.5 0.2 0.2

.....  
220-312 0.5 0.5 2.7 0.3 1.0

.....  
320-340 0.5 2.0 1.0 0.4

.....  
VARIABLE

.....  
CALC. //

.....  
TOTALS 33.6 34.4 11.4 3.8 1.1

TOTAL PERCENT OF OBSERVATIONS 100

.....

PERIOD: JUL 77 - JUL 78  
CITY: D.C. PAGES: 22-23

|     |       |       |       |       |       |       |      |      |
|-----|-------|-------|-------|-------|-------|-------|------|------|
| -14 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | TOTAL | 2007 | 2010 |
|     |       |       |       |       |       |       | 4180 | 4180 |

|     |      |      |      |
|-----|------|------|------|
|     | 5.6  | 5.4  | 6.0  |
|     | 6.0  | 7.2  | 7.0  |
|     | 1.0  | 7.1  | 7.0  |
|     | 6.6  | 7.7  | 7.0  |
|     | .1   | 12.0 | 12.0 |
|     | 1.3  | 6.5  | 8.0  |
|     | 2.2  | 2.2  | 6.2  |
|     | 7.0  | 6.0  | 6.0  |
|     | 13.3 | 6.5  | 6.5  |
| 1.2 | 12.2 | 12.1 | 6.4  |
| 1.  | 10.0 | 6.0  | 6.0  |
|     | 1.4  | 6.0  | 6.0  |

[illegible]

Figure 1 illustrates the experimental setup. A subject is seated at a table, viewing a video screen. A camera is positioned above the screen. A target is placed on the table. A horizontal arrow indicates the direction of movement from the starting point to the target. A vertical arrow indicates the direction of movement from the starting point to the video screen. A horizontal arrow indicates the direction of movement from the video screen to the target. A vertical arrow indicates the direction of movement from the video screen to the camera.







OPERATING LOCATION: 7-8-8-8  
USAF TAC, ANA VUL 1-2

PH CONTAG: 011210Z 1-2-8-8  
1-2-8-8

STATION: 11-11-11-11

STATION: 11-11-11-11

1-2-8-8

EXT. 11-11-11-11

1-2-8-8

.....

11-11-11-11 1-4 4-4 10-14 17-19 22-24 27-29 31-31 31-31 31-31  
(283118)

.....

(1) 330-111 1.2 3.2 1.1

(12-14) 1.5 1.5 .1

(13-17) . 1.1 .1

(14-16) 1.3 .2

112-113 . . .

140-141 . 1.4 .1

(5) 170-112 .2 1.1 .1

211-212 1.4 1.1 1.1 .1

232-111 1.1 .1 1.7 .1

(8) 251-211 1.2 1.2 1.7 1.1 1.1 .1

290-111 1.1 1.1 . 4.1 1.1 .1

301-341 . 1.1 1.1 . 1.1 .1

.....

340-111 //////////////////////////////////////

.....

111111 11.1 11.1 11.1 7.1 1.1 .1

.....

TOTAL NUMBER OF DAYS: 111111



OPERATING LOCATIONS, "AM"  
 HANFORD, AS-1111-12

PERCENTAGE OF CUMULATIVE 100% - 100%  
 100% - 100%

STATION NO. 1: 100% STATION NO. 2: 100%  
 STATION NO. 3: 100%

.....  
 100% 100% 100% 100% 100% 100% 100% 100%  
 (100% 100%)

.....  
 (1) 380-100 1.0 1.0 1.0

.....  
 100-100 1.0 1.0 .4

.....  
 100-100 1.0 .4

.....  
 (1) 100-100 1.0 1.0 1.0

.....  
 100-100 1.0 .4 .4

.....  
 100-100 1.0 1.0 .2

.....  
 (5) 100-100 1.0 1.0 .2

.....  
 100-100 .1 1.0 .4

.....  
 100-100 .1 .4 .4 .1

.....  
 (1) 100-100 1.0 1.0 1.0 1.0 .4 .1

.....  
 100-100 1.0 .4 1.0 1.0 1.0 .4

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

.....  
 100-100 .4 .4 1.0 1.0 .4 .1

WINDY 20 RECORDS SURFACE WIND DIRECTION VERSUS WIND SPEED  
 1000 HOURS 10/17/1977

PERIOD OF RECORD: JUL 73 - JUN 77  
 MONTH: DEC YEARS: 19-17

WINDY 20 IN HOURS

| 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | TOTAL | WINDY | WINDY |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       |       |       |       |       |       |       |       |       | 1     | 1.0   | 1.0   |
|       |       |       |       |       |       |       |       |       | 5.3   | 5.3   | 7.3   |
|       |       |       |       |       |       |       |       |       | 3.3   | 3.3   | 7.3   |
|       |       |       |       |       |       |       |       |       | 1.3   | 1.3   | 7.3   |
|       |       |       |       |       |       |       |       |       | 1.3   | 1.3   | 7.3   |
|       |       |       |       |       |       |       |       |       | 2.3   | 2.3   | 7.3   |
|       |       |       |       |       |       |       |       |       | 2.3   | 2.3   | 7.3   |
|       |       |       |       |       |       |       |       |       | 1.2   | 1.2   | 7.3   |
|       |       |       |       |       |       |       |       |       | 5.3   | 5.3   | 7.3   |
|       |       |       |       |       |       |       |       |       | 1.3   | 1.3   | 7.3   |
| 1.1   | 1.1   |       |       |       |       |       |       |       | 17.3  | 17.3  | 7.3   |
| 1.1   | 1.1   |       |       |       |       |       |       |       | 21.3  | 21.3  | 7.3   |
| 1.1   | 1.1   |       |       |       |       |       |       |       | 2.3   | 2.3   | 7.3   |

12.3

100.0 5.3 7.3

WINDY 20 AVAILABLE 100

OPERATING LOCATION: "A"  
USAFETAC, AS4/VILL. NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAMAGE VIB.  
6000-40000 HZ (10-100 DB)

STATION NUMBER: 720056

STATION NAME: PLAS-AP-104  
EST. TO JLC: + 9

PERIOD  
ADMIN:

STATION SP. IN DBS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(2-10-15)

(G) 350-400 1.2 3.0 1.2

600-650 1.2 3.2 .5

650-700 .8 .3

(F) 700-750 .9 .4 .2 .1

110-150 .8 .3 1.2 .1

140-180 1.2 .2 .2 .1 .1

(S) 170-210 3.4 .2 .1

220-260 3.3 1.0 .2

230-270 3.0 3.1 1.4 .2

(4) 280-310 3.7 3.4 1.3 1.2 .1

290-310 3.4 3.7 3.2 1.2 .5 .1

320-340 2.8 2.1 1.7 .5 .2 .1

VARIABLE

CALC //

TOTALS 21.6 30.2 13.2 4.1 1.2 .2

TOTAL NUMBER OF STATIONS 132

SAFETY OF OCCUPANCY SURFACE WIND DIRECTION WINDS AND SPEEDS  
FROM 40 INCH OBSERVATIONS

PERIOD OF RECORD: JUL 71 - JUL 72

STATION: 340 400-5: 17-22

SP. 10: 10-20

| 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | TOTAL | 40-50 | 50-60 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   | 6.6   | 1.1   | 1.1   |

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6

6.6 6.6 6.6



OPERATING LOCATION NAME  
JSAF-PAC, ASH/VILLI MC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND  
E - 100% DAILY 100% VATING

STATION NUMBER: 725 055

STATION NAME: PRABH ABN 40  
1ST ILLUIC: + 5

1 2 3 4  
4 5 6 7

.....  
WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49

(DEGREES) .....  
.....

(S) 350-310 1.5 2.2 .5 .2

..... 020-340 1.5 2.7 .1

..... 050-070 .1 .2 .1

(S) 080-100 .2 .5 .2

..... 110-130 .1 .2 .2 .1

..... 140-160 .1 .2 .4 .1 .1

(S) 170-190 2.4 .2 .3 .1

..... 200-220 6.7 2.4 .2 .1

..... 230-250 6.7 6.2 2.0

(S) 250-280 7.0 2.4 1.2 1.2

..... 290-310 4.4 7.2 4.2 1.1 1.1 .1

..... 320-340 4.7 2.5 1.6 .2 .1

.....

.....

.....  
VARIABLE

.....  
CALC

TOTALS 25.1 51.2 12.2 3.4 1.1 .1

.....  
TOTAL NUMBER OF OBSERVATIONS 130

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

# TABLE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: DEC HOURS: 21-23

| WIND SPEED IN KNOTS                  |       |       |       |       |       |       | TOTAL | MEAN                             | MEDIAN |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
| 0-9                                  | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 |       |                                  |        |
|                                      |       |       |       |       |       |       | 9.4   | 5.7                              | 5.2    |
|                                      |       |       |       |       |       |       | 5.1   | 5.3                              | 5.0    |
|                                      |       |       |       |       |       |       | 1.3   | 5.3                              | 5.0    |
|                                      |       |       |       |       |       |       | 1.5   | 7.1                              | 7.2    |
| 0.1                                  |       |       |       |       |       |       | 0.2   | 0.3                              | 0.0    |
| 0.2                                  |       |       |       |       |       |       | 1.4   | 5.0                              | 5.0    |
| 0.3                                  |       |       |       |       |       |       | 0.2   | 5.0                              | 5.0    |
|                                      |       |       |       |       |       |       | 7.4   | 5.5                              | 5.0    |
|                                      |       |       |       |       |       |       | 14.0  | 7.7                              | 5.0    |
|                                      |       |       |       |       |       |       | 13.0  | 10.0                             | 10.0   |
| 1.1                                  | 0.1   |       |       |       |       |       | 10.1  | 5.0                              | 5.0    |
|                                      |       |       |       |       |       |       | 10.7  | 5.0                              | 5.0    |
| //////////////////////////////////// |       |       |       |       |       |       | 15.7  | //////////////////////////////// |        |
| 1.2                                  | 0.1   |       |       |       |       |       | 100.0 | 5.0                              | 5.0    |

END OF TABLE 032

OPERATING LOCATION NAME  
USAF TAC, ASHTVILLE MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF GUSTAGE WIND DURING JULY - OCT. 1945

STATION NUMBER: 725055

STATION NAME: DEASE AREA

PERIOD:

LT TO UTC: + 5

UNIT:

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(353-15)

(N) 350-010 2.1 3.7 1.0 .1

020-040 1.4 2.4 .2 .0

050-070 .5 .5 .2 .0

(E) 080-100 .4 .5 .3 .0

110-130 .4 .3 .4 .1 .0

140-16 .0 .5 .2 .1 .0

(S) 170-190 1.0 1.0 .2 .0 .0

200-220 3.3 2.5 .7 .0

230-250 1.3 5.3 1.7 .1 .0

(W) 260-280 1.2 5.7 3.0 .0 .0 .1

290-310 4.0 6.5 6.5 2.0 .0 .1

320-340 3.4 3.2 2.1 .0 .0 .0

VARIABLE

DATE //

TOTALS 29.7 33.2 15.2 4.4 1.4 .2

TOTAL NUMBER OF OBSERVATIONS 7000

•

MONTH: DEC

4. JUDGE: ALL!

-10- 21-24 30-34 35-39 40-49 50-54 55-59 60-64 65-69 70-74 75-79 80-84 85-89 90-94 95-99 100-104 105-109 110-114 115-119 120-124 125-129 130-134 135-139 140-144 145-149 150-154 155-159 160-164 165-169 170-174 175-179 180-184 185-189 190-194 195-199 200-204 205-209 210-214 215-219 220-224 225-229 230-234 235-239 240-244 245-249 250-254 255-259 260-264 265-269 270-274 275-279 280-284 285-289 290-294 295-299 300-304 305-309 310-314 315-319 320-324 325-329 330-334 335-339 340-344 345-349 350-354 355-359 360-364 365-369 370-374 375-379 380-384 385-389 390-394 395-399 400-404 405-409 410-414 415-419 420-424 425-429 430-434 435-439 440-444 445-449 450-454 455-459 460-464 465-469 470-474 475-479 480-484 485-489 490-494 495-499 500-504 505-509 510-514 515-519 520-524 525-529 530-534 535-539 540-544 545-549 550-554 555-559 560-564 565-569 570-574 575-579 580-584 585-589 590-594 595-599 600-604 605-609 610-614 615-619 620-624 625-629 630-634 635-639 640-644 645-649 650-654 655-659 660-664 665-669 670-674 675-679 680-684 685-689 690-694 695-699 700-704 705-709 710-714 715-719 720-724 725-729 730-734 735-739 740-744 745-749 750-754 755-759 760-764 765-769 770-774 775-779 780-784 785-789 790-794 795-799 800-804 805-809 810-814 815-819 820-824 825-829 830-834 835-839 840-844 845-849 850-854 855-859 860-864 865-869 870-874 875-879 880-884 885-889 890-894 895-899 900-904 905-909 910-914 915-919 920-924 925-929 930-934 935-939 940-944 945-949 950-954 955-959 960-964 965-969 970-974 975-979 980-984 985-989 990-994 995-999 1000-1004 1005-1009 1010-1014 1015-1019 1020-1024 1025-1029 1030-1034 1035-1039 1040-1044 1045-1049 1050-1054 1055-1059 1060-1064 1065-1069 1070-1074 1075-1079 1080-1084 1085-1089 1090-1094 1095-1099 1100-1104 1105-1109 1110-1114 1115-1119 1120-1124 1125-1129 1130-1134 1135-1139 1140-1144 1145-1149 1150-1154 1155-1159 1160-1164 1165-1169 1170-1174 1175-1179 1180-1184 1185-1189 1190-1194 1195-1199 1200-1204 1205-1209 1210-1214 1215-1219 1220-1224 1225-1229 1230-1234 1235-1239 1240-1244 1245-1249 1250-1254 1255-1259 1260-1264 1265-1269 1270-1274 1275-1279 1280-1284 1285-1289 1290-1294 1295-1299 1300-1304 1305-1309 1310-1314 1315-1319 1320-1324 1325-1329 1330-1334 1335-1339 1340-1344 1345-1349 1350-1354 1355-1359 1360-1364 1365-1369 1370-1374 1375-1379 1380-1384 1385-1389 1390-1394 1395-1399 1400-1404 1405-1409 1410-1414 1415-1419 1420-1424 1425-1429 1430-1434 1435-1439 1440-1444 1445-1449 1450-1454 1455-1459 1460-1464 1465-1469 1470-1474 1475-1479 1480-1484 1485-1489 1490-1494 1495-1499 1500-1504 1505-1509 1510-1514 1515-1519 1520-1524 1525-1529 1530-1534 1535-1539 1540-1544 1545-1549 1550-1554 1555-1559 1560-1564 1565-1569 1570-1574 1575-1579 1580-1584 1585-1589 1590-1594 1595-1599 1600-1604 1605-1609 1610-1614 1615-1619 1620-1624 1625-1629 1630-1634 1635-1639 1640-1644 1645-1649 1650-1654 1655-1659 1660-1664 1665-1669 1670-1674 1675-1679 1680-1684 1685-1689 1690-1694 1695-1699 1700-1704 1705-1709 1710-1714 1715-1719 1720-1724 1725-1729 1730-1734 1735-1739 1740-1744 1745-1749 1750-1754 1755-1759 1760-1764 1765-1769 1770-1774 1775-1779 1780-1784 1785-1789 1790-1794 1795-1799 1800-1804 1805-1809 1810-1814 1815-1819 1820-1824 1825-1829 1830-1834 1835-1839 1840-1844 1845-1849 1850-1854 1855-1859 1860-1864 1865-1869 1870-1874 1875-1879 1880-1884 1885-1889 1890-1894 1895-1899 1900-1904 1905-1909 1910-1914 1915-1919 1920-1924 1925-1929 1930-1934 1935-1939 1940-1944 1945-1949 1950-1954 1955-1959 1960-1964 1965-1969 1970-1974 1975-1979 1980-1984 1985-1989 1990-1994 1995-1999 2000-2004 2005-2009 2010-2014 2015-2019 2020-2024 2025-2029 2030-2034 2035-2039 2040-2044 2045-2049 2050-2054 2055-2059 2060-2064 2065-2069 2070-2074 2075-2079 2080-2084 2085-2089 2090-2094 2095-2099 2100-2104 2105-2109 2110-2114 2115-2119 2120-2124 2125-2129 2130-2134 2135-2139 2140-2144 2145-2149 2150-2154 2155-2159 2160-2164 2165-2169 2170-2174 2175-2179 2180-2184 2185-2189 2190-2194 2195-2199 2200-2204 2205-2209 2210-2214 2215-2219 2220-2224 2225-2229 2230-2234 2235-2239 2240-2244 2245-2249 2250-2254 2255-2259 2260-2264 2265-2269 2270-2274 2275-2279 2280-22

TOTAL "WASH" IN STATE

[illegible]

4.5      2.5      1.5

1. 2. 3.

1.3 7.7 .3

1.7 5.2 4.3

3. 1

1. 2. 3.

12.4      2.7      5.3

17.1 7.5 . . .

1 2 3

3. 4      7. 7      9. 9

14. : // // // // // // // //

100.0 5.1 4.1

2-4-5

OPERATING LOCATION NAME  
USAFETAS, ASI VILLAGE

PERCENTAGE FREQUENCY OF OCCURRING SURFACE WIND IN  
MULTIPLE OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: REASE AFB, TX

DATE: 10/1/70

EST. TO DIO: + 5

TIME: 1200

CATEGORY A: CEILING OR FOG BUT LESS THAN 1000 FEET WITH VISIBILITY OF 1/2 MILE  
AND/OR  
VISIBILITY OF 1/2 MILE (0-99 FEET) BUT LESS THAN 1 MILE (4000 FEET)

WIND SPEEDS IN KNOTS

DIRECTION 1-5 6-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(N) 350-010

4.3 11.3 3.2 .1

020-040 2.4 5.5 3.2 .1

050-070 1.3 1.5 1.7 .1

(S) 070-100 .7 1.5 2.2 .2

110-130 .5 1.0 2.0 .3 .1

140-160 .3 1.3 1.1 .4 .2

(E) 170-200 1.2 1.7 .2 .1 .1

200-220 1.1 1.7 .7

230-250 0.1 1.4

(W) 260-280 1.0 1.1 .2

290-310 1.7 1.0 .8 1.0 .1

320-340 1.0 1.5 1.7 1.0 .1

VARIOUS

CALM //////////////////////////////////////

TOTALS 24.2 35.1 15.7 3.6 .6

TOTAL NUMBER OF OBSERVATIONS 100

1 - 4 - 100

AGENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 MONTHLY OBSERVATIONS

PERIOD OF RECORD: JUL 72 - JUL 73  
 MONTH: DEC HOURS: ALL

WIND SPEED AT VISIBILITY 5 1/2 MILE (9000 METERS).

WIND SPEED AT VISIBILITY 5 MILES (8000 METERS) WITH CEILING 51 200 FEET.

WIND SPEED IN KNOTS  
 10-19 20-29 30-39 40-49 50-59 60-69 TOTAL MEAN WIND SPEED

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0 100.0 100.0 100.0 100.0 100.0 100.0  
 100.0 100.0 100.0 100.0 100.0 100.0 100.0

OPERATING LOCATION NAME  
USAFBAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURANCE OF DAMAGE VIALS  
FROM 10/1/77 TO 10/1/78

STATION NUMBER: 715005

STATION NAME: CLASS. 4-3-77

LAST ILLUMIN: 4-8

DATE: 10/1/78

TIME: 10

NUMBER SPOTS IN CUMULATIVE

DISTANCE 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 45-49  
(0.5-1.0)

(4) 350-410 2.1 2.4 .2 .1 .0

420-440 1.1 2.4 1.0 .1 .0

450-470 1.1 1.5 .2 .0 .0 .0

(5) 500-100 1.3 1.4 .4 .0 .0 .0

110-130 1.7 2.2 .4 .1 .0 .0 .0

140-160 2.1 3.0 .1 .1 .0 .0

(6) 170-190 2.3 1.1 .3 .0 .1 .0

200-220 3.1 2.6 .0 .0 .0

240-260 4.2 3.1 .3 .1 .1 .0

(7) 280-300 5.2 2.6 2.4 .1 .1 .0

330-350 5.2 4.7 4.0 1.5 .0 .0 .0

370-390 3.1 2.7 1.7 .1 .1 .0

VARIABLE

CALC //

TOTAL 33.4 34.0 12.2 3.5 .5

TOTAL NUMBER OF OBSERVATIONS: 67,07

WINDY 1000-1500 SURFACE WIND DIRECTION VERSUS WIND SPEED  
 1000-1500 WIND VALUES

PERIOD OF RECORD: JUL 77 - JUL 78

STATION: ALL DIPS: ALL

WINDY IN CLAS

| WINDY | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | TOTAL | WINDY | WINDY |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0     |       |       |       |       |       |       | 5.0   | 5.2   | 5.0   |
| 1     |       |       |       |       |       |       | 5.3   | 5.5   | 5.3   |
| 2     | 5.1   |       |       |       |       |       | 5.2   | 5.5   | 5.2   |
| 3     |       |       |       |       |       |       | 3.1   | 3.7   | 3.0   |
| 4     | 5.2   |       |       |       |       |       | 4.4   | 4.5   | 4.0   |
| 5     |       |       |       |       |       |       | 5.0   | 4.7   | 4.0   |
| 6     |       |       |       |       |       |       | 5.1   | 4.7   | 4.0   |
| 7     |       |       |       |       |       |       | 5.1   | 4.1   | 4.0   |
| 8     | 5.1   |       |       |       |       |       | 4.0   | 4.7   | 4.0   |
| 9     | 5.1   |       |       |       |       |       | 15.3  | 5.7   | 5.0   |
| 10    | 5.2   |       |       |       |       |       | 15.1  | 4.8   | 4.0   |
| 11    |       |       |       |       |       |       | 5.0   | 5.0   | 4.0   |

15.0

102.0

WINDY IN CLAS



OPERATING LOCATION: WAW  
USAC/AFM, AGO/VILL, AGO

PERCENTAGE FREQUENCY OF OCCURRENCE OF WAVE LENGTH  
FROM 1000 TO 10000

STATION NUMBER: 741.81

STATION NAME: PACT 1000

LISTED IN: 1000

CATEGORY: 10000 TO 100000 (10000 TO 100000) (10000 TO 100000)

VISIBILITY OF 10000 (10000 TO 100000) (10000 TO 100000)

WAVE LENGTH IN MILES

DIRECTION: 1-4 1-5 10-14 10-15 10-16 10-17 10-18 10-19 10-20

(10000 TO 100000)

(10) 1000-1000 1.2 1.1 1.2 1.2 1.2 1.2 1.2 1.2

200-1000 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2

300-1000 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

(10) 400-1000 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2

110-130 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

140-160 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2

(10) 170-190 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

200-220 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7

240-260 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

(10) 280-300 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

300-320 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7

320-340 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

VARIABLE

DATA: //

TOTALS: 12.1 12.1 12.1 12.1 12.1 12.1 12.1 12.1

TOTAL NUMBER OF OBSERVATIONS: 1000

FROM: SAC, NEW YORK (100-158741)  
 TO: DIRECTOR, FBI (100-388610)  
 SUBJECT: MURDER OF MARTIN LUTHER KING, JR.;  
 RE: NEW YORK TELETYPE TO BUREAU, APRIL 27, 1968.

1) С. С. Давыдов (1920-1998) НИИ СПИД и МЗ РФ.

\_\_\_\_\_

|      | 17.5 | 7.5 | 0.0 |
|------|------|-----|-----|
| 1.0  | 0.0  | 0.0 | 0.0 |
| 0.5  | 0.0  | 0.0 | 0.0 |
| 0.0  | 0.0  | 0.0 | 0.0 |
| -0.5 | 0.0  | 0.0 | 0.0 |
| -1.0 | 0.0  | 0.0 | 0.0 |

|      | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 |
|------|-----|-----|-----|-----|-----|
| 1.1  |     |     |     |     |     |
| 1.2  |     |     |     |     |     |
| 1.3  |     |     |     |     |     |
| 1.4  |     |     |     |     |     |
| 1.5  |     |     |     |     |     |
| 1.6  |     |     |     |     |     |
| 1.7  |     |     |     |     |     |
| 1.8  |     |     |     |     |     |
| 1.9  |     |     |     |     |     |
| 1.10 |     |     |     |     |     |
| 1.11 |     |     |     |     |     |
| 1.12 |     |     |     |     |     |
| 1.13 |     |     |     |     |     |
| 1.14 |     |     |     |     |     |
| 1.15 |     |     |     |     |     |
| 1.16 |     |     |     |     |     |
| 1.17 |     |     |     |     |     |
| 1.18 |     |     |     |     |     |
| 1.19 |     |     |     |     |     |
| 1.20 |     |     |     |     |     |
| 1.21 |     |     |     |     |     |
| 1.22 |     |     |     |     |     |
| 1.23 |     |     |     |     |     |
| 1.24 |     |     |     |     |     |
| 1.25 |     |     |     |     |     |
| 1.26 |     |     |     |     |     |
| 1.27 |     |     |     |     |     |
| 1.28 |     |     |     |     |     |
| 1.29 |     |     |     |     |     |
| 1.30 |     |     |     |     |     |
| 1.31 |     |     |     |     |     |
| 1.32 |     |     |     |     |     |
| 1.33 |     |     |     |     |     |
| 1.34 |     |     |     |     |     |
| 1.35 |     |     |     |     |     |
| 1.36 |     |     |     |     |     |
| 1.37 |     |     |     |     |     |
| 1.38 |     |     |     |     |     |
| 1.39 |     |     |     |     |     |
| 1.40 |     |     |     |     |     |
| 1.41 |     |     |     |     |     |
| 1.42 |     |     |     |     |     |
| 1.43 |     |     |     |     |     |
| 1.44 |     |     |     |     |     |
| 1.45 |     |     |     |     |     |
| 1.46 |     |     |     |     |     |
| 1.47 |     |     |     |     |     |
| 1.48 |     |     |     |     |     |
| 1.49 |     |     |     |     |     |
| 1.50 |     |     |     |     |     |
| 1.51 |     |     |     |     |     |
| 1.52 |     |     |     |     |     |
| 1.53 |     |     |     |     |     |
| 1.54 |     |     |     |     |     |
| 1.55 |     |     |     |     |     |
| 1.56 |     |     |     |     |     |
| 1.57 |     |     |     |     |     |
| 1.58 |     |     |     |     |     |
| 1.59 |     |     |     |     |     |
| 1.60 |     |     |     |     |     |
| 1.61 |     |     |     |     |     |
| 1.62 |     |     |     |     |     |
| 1.63 |     |     |     |     |     |
| 1.64 |     |     |     |     |     |
| 1.65 |     |     |     |     |     |
| 1.66 |     |     |     |     |     |
| 1.67 |     |     |     |     |     |
| 1.68 |     |     |     |     |     |
| 1.69 |     |     |     |     |     |
| 1.70 |     |     |     |     |     |
| 1.71 |     |     |     |     |     |
| 1.72 |     |     |     |     |     |
| 1.73 |     |     |     |     |     |
| 1.74 |     |     |     |     |     |
| 1.75 |     |     |     |     |     |
| 1.76 |     |     |     |     |     |
| 1.77 |     |     |     |     |     |
| 1.78 |     |     |     |     |     |
| 1.79 |     |     |     |     |     |
| 1.80 |     |     |     |     |     |
| 1.81 |     |     |     |     |     |
| 1.82 |     |     |     |     |     |
| 1.83 |     |     |     |     |     |
| 1.84 |     |     |     |     |     |
| 1.85 |     |     |     |     |     |
| 1.86 |     |     |     |     |     |
| 1.87 |     |     |     |     |     |
| 1.88 |     |     |     |     |     |
| 1.89 |     |     |     |     |     |
| 1.90 |     |     |     |     |     |
| 1.91 |     |     |     |     |     |
| 1.92 |     |     |     |     |     |
| 1.93 |     |     |     |     |     |
| 1.94 |     |     |     |     |     |
| 1.95 |     |     |     |     |     |
| 1.96 |     |     |     |     |     |

• • • • •

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

[illegible][illegible]

•  $\sigma^2 = 100.0$        $\sigma = 10.0$        $\sigma^2 = 100.0$        $\sigma = 10.0$        $\sigma^2 = 100.0$        $\sigma = 10.0$

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).

|            |            |            |            |
|------------|------------|------------|------------|
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |
| XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX | XXXXXXXXXX |

|          |          |          |
|----------|----------|----------|
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |
| 10000000 | 10000000 | 10000000 |

# PART 2

## CEILING, VISIBILITY AND SKY COVER SUMMARY

CEILING VS VISIBILITY--PERCENT OCCURRENCE AND FREQUENCY (POF).  
 CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A FIVE  
 PERCENTAGE FREQUENCY BY CLASSIS OF CEILING (FROM 1  
 "NO CEILING" IS A SEPARATE CLASS) VS BASIC VISIBILITY CLASS  
 (METERS) TO BEATLY EXHAUSTIVE. IN 7 SEPARATE TABLES (11  
 TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH
- BY MONTH (ALL YEARS AND ALL YEARS COMBINED).
- BY YEAR (ALL YEARS AND ALL YEARS COMBINED).

RECORDS OF THE CUMULATIVE NUMBER OF THESE OCCURRENCES, IF OF  
 INTEREST, THE PERCENTAGE OCCURRENCE AND FREQUENCY (POF) FOR EACH  
 AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY OF  
 THESE CATEGORIES WITH WHICH IT IS ASSOCIATED. THE VALUE OF  
 CEILING ALONE, REFERS TO THE EXACTLY MEASURED VALUE. (IF  
 IS DIFFERENT VISIBILITY ALONE, THEN TO THE INTERSECTION OF  
 DETERMINE THE POF THAT REFERS TO EXCEEDS ANY GIVEN VALUE OF  
 THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING  
 COLUMN.

NOTE 1: IN JANUARY 1954, 4-TIME STATION. VALUES FOR THE  
 VALUES FOR 3000 METERS. VALUES FOR 3000 METERS.

NOTE 2: FOR OVERCAST CIVILIAN STATIONS - 3000 METERS, 3000  
 METERS NOT APPEAR IN THE 3000 METERS CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = 1.609  
 FOR CONVERSION, THE CONVERSION FACTOR IS 1.609

SKY COVER--PERCENT OCCURRENCE AND FREQUENCY.  
 ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS  
 OCCURRENCE AND FREQUENCY (POF) OF SKY COVER CLASSIFIED  
 AS CLEAR, SCATTERED, PARTLY, OVERCAST, OR FULLY  
 DISCOURSED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS,  
 POF FOR SKY COVER SCATTERED FROM 0-40% (1.00-0.40).  
 SAME AS FOR PREVIOUS TABLE.

NOTE 1: THESE SUMMARIES ARE NOT AVAILABLE FOR ALL STATIONS.

PART 2

DISVISIBILITY AND SKY COVER SUMMARIES

DISVISIBILITY FREQUENCY (PDF).

AVAILABLE, THIS SUMMARY IS A BIVARIATE DISTRIBUTION  
BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--  
NINE CLASSES) VERSUS VISIBILITY CLASSES (FROM ZERO MILES  
TO 11.25 STATUTE MILES (11,250 FEET)). IN  
TABLES FILED:

STATIONS FOR WHICH DATA FOR EACH MONTH (ALL YEARS COMBINED).

FOR ALL YEARS COMBINED).

FOR ALL YEARS COMBINED).

FROM THESE SUMMARIES, IT IS POSSIBLE TO  
OBTAIN DISVISIBILITY (PDF) FOR ANY GIVEN CEILING  
(0), EITHER SEPARATELY OR IN ANY COMBINATION.  
IN THE SAME MANNER, IT IS POSSIBLE TO  
OBTAIN DISVISIBILITY (PDF) FOR ANY GIVEN VISIBILITY  
(0), EITHER SEPARATELY OR IN ANY COMBINATION.  
FURTHER, IT IS POSSIBLE TO OBTAIN DISVISIBILITY  
FOR ANY GIVEN SET OF CEILING AND VISIBILITY  
VALUES BY THE APPROPRIATE CEILING AND VISIBILITY

STATIONS FOR WHICH TWO VISIBILITIES TO A STATION  
VALUES ARE REPORTED AS "9999."

STATIONS FOR WHICH "9999", ALL CEILINGS REPORTED  
IN THE 1000 FEET CLASS.

11.25 = 11,250 FEET = .5000 NAUTICAL MILES.  
11.25 = 11,250 FEET = 1,250 YARDS.

NOT AVAILABLE.

AVAILABLE, THIS SUMMARY GIVES PERCENTAGE  
OF SKY COVER FOR EACH OF THE SEVEN SYNOPTIC SKY TYPES, SOL  
CLEAR, OVERCAST, PARTIALLY CLOUDY, OR PARTIALLY  
CLOUDY. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES  
PERCENTAGE OF "9999" (I.E., 6/10). DATA IS SUMMARIZED BY  
MONTH.

AVAILABLE FOR AIRWAYS STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC 3.  
SYNOPTIC SKY COVER REPORTS COMBINED AS FOLLOWS:

2/3..... 1/3  
1/3 THRU 4/3..... 1/3  
5/3 THRU 7/3..... 1/3  
8/3..... 1/3

NOTE 3. "PARTIAL DISCUSSION" IS A SEPARATE CATEGORY WITH  
COMBINATION OF "GREATER THAN 1/2" OF DISCUSSION. "TOTAL"  
HOWEVER, ARE INCLUDED.

NO DATA HAVE REPORTED IN SYNDROMIC CODE HAVE HAD THEIR  
STATUS CONVERTED AS FOLLOWS:

.....CEASE

6/4/.....SCATTERED

6/7/.....POKER

.....W/PCAST

"I" IS A SEPARATE CATEGORY NOT INCLUDED IN  
THE "I" 1/2" PERCENTAGES. "TOTAL DISSEMINATIONS,"



OPERATING LOCATION NAME  
JSAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
DATA DURING OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: COAST AREA  
LST TO UTC: + 5

STATION  
SPECIES: J

CEILING

VISIBILITY IN STATUTE MILES

IN FEET 7 2 5 4 3 2 1/2 1 1/2 1 1/4 1

| NO CEIL  | 61.3 | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0 | 62.1 | 62.2 |
|----------|------|------|------|------|------|------|------|------|------|------|
| 35 20000 | 54.2 | 55.2 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 35 18000 | 55.2 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 35 15000 | 55.3 | 55.5 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 35 14000 | 55.7 | 55.9 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| 35 12000 | 56.5 | 56.7 | 56.7 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| 65 10000 | 58.4 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| 65 9000  | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| 65 8000  | 71.3 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 65 7000  | 73.2 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| 65 6000  | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 35 5000  | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 35 4500  | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 35 4000  | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 35 3500  | 80.7 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 35 3000  | 82.5 | 83.1 | 83.2 | 83.4 | 83.5 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 |
| 65 2500  | 83.1 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 65 2000  | 83.2 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 65 1800  | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 65 1500  | 84.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 65 1200  | 86.7 | 86.7 | 87.1 | 87.7 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 65 1000  | 88.4 | 88.5 | 88.5 | 88.7 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 65 900   | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 65 800   | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| 65 700   | 89.2 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 65 600   | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 65 500   | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 65 400   | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 65 300   | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 65 200   | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 65 100   | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 65 000   | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |

TOTAL NUMBER OF OBSERVATIONS 930

0 - 1 - 1

A



OPERATING LOCATION "A"  
USAFETAC, ACHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
WIND DIRECTION 180-270 DEGREES

STATION NUMBER: 725053

STATION NAME: PEAS, ARD, NC

DATE: 10/1/57

EST TO UTC: + 5

TIME: 10:00

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | SE<br>8 | SE<br>9 | SE<br>10 | SE<br>11 | SE<br>12 | SE<br>13 | SE<br>14 | SE<br>15 | SE<br>16 | SE<br>17 |
|------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1          | 2       | 3       | 4       | 5        | 6        | 7        | 8        | 9        | 10       | 11       | 12       |
| NO CEIL    | 57.1    | 57.7    | 57.4    | 57.4     | 57.3     | 57.3     | 57.3     | 57.3     | 57.1     | 57.1     | 57.1     |
| GE 20000   | 52.2    | 52.4    | 52.9    | 52.9     | 52.7     | 52.9     | 52.9     | 52.9     | 53.1     | 53.1     | 53.1     |
| GE 18000   | 52.2    | 53.1    | 53.2    | 53.2     | 53.2     | 53.2     | 53.2     | 53.2     | 53.4     | 53.4     | 53.4     |
| GE 16000   | 52.5    | 53.2    | 53.3    | 53.3     | 53.3     | 53.3     | 53.3     | 53.3     | 53.5     | 53.5     | 53.5     |
| GE 14000   | 52.3    | 54.1    | 54.1    | 54.1     | 54.1     | 54.1     | 54.1     | 54.1     | 54.3     | 54.3     | 54.3     |
| GE 12000   | 54.1    | 54.7    | 54.7    | 54.7     | 54.7     | 54.7     | 54.7     | 54.7     | 55.1     | 55.1     | 55.1     |
| GE 10000   | 57.3    | 57.7    | 57.9    | 57.9     | 57.9     | 57.9     | 57.9     | 57.9     | 57.9     | 57.9     | 57.9     |
| GE 9000    | 57.3    | 57.3    | 57.3    | 57.3     | 57.3     | 57.3     | 57.3     | 57.3     | 57.7     | 57.7     | 57.7     |
| GE 8000    | 70.2    | 71.3    | 71.3    | 71.3     | 71.3     | 71.3     | 71.3     | 71.3     | 71.5     | 71.5     | 71.5     |
| GE 7000    | 71.1    | 72.2    | 72.3    | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.7     | 72.7     | 72.7     |
| GE 6000    | 71.1    | 72.2    | 72.3    | 72.3     | 72.3     | 72.3     | 72.3     | 72.3     | 72.7     | 72.7     | 72.7     |
| GE 5000    | 72.4    | 72.7    | 72.7    | 72.7     | 72.7     | 72.7     | 72.7     | 72.7     | 72.9     | 72.9     | 72.9     |
| GE 4500    | 74.3    | 74.7    | 74.7    | 74.7     | 74.7     | 74.7     | 74.7     | 74.7     | 74.9     | 74.9     | 74.9     |
| GE 4000    | 74.3    | 74.7    | 74.7    | 74.7     | 74.7     | 74.7     | 74.7     | 74.7     | 74.9     | 74.9     | 74.9     |
| GE 3500    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 3000    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 2500    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 2000    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 1800    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 1600    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 1400    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 1200    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 1000    | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 900     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 800     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 700     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 600     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 500     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 400     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 300     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 200     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |
| GE 100     | 77.4    | 77.7    | 77.7    | 77.7     | 77.7     | 77.7     | 77.7     | 77.7     | 77.9     | 77.9     | 77.9     |

TOTAL NUMBER OF OBSERVATIONS 930

10-2-57



OPERATING LOCATION "AA"  
USAF TAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLOUD  
HEIGHTS DURING OBSERVATION

STATION NUMBER: 735055

STATION NAME: PEASE AREA, VA

DATE: 1/1/54

ELEVATION: + 5

REMARKS: J

.....  
CEILING..... VISIBILITY IN STATUTE MILES.....  
IN FEET 7 5 3 2 1 1/2 1 1/4 1  
.....

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CLOUD | 51.4 | 52.2 | 52.5 | 53.2 | 52.3 | 53.5 | 53.5 | 53.7 | 53.7 | 53.7 |
| CE 10000 | 57.4 | 57.4 | 58.1 | 59.5 | 59.5 | 60.1 | 60.1 | 61.2 | 60.2 | 60.1 |
| CE 11000 | 51.0 | 52.2 | 53.7 | 60.1 | 60.4 | 60.7 | 61.1 | 60.7 | 60.2 | 60.1 |
| CE 16000 | 51.3 | 52.2 | 50.9 | 60.4 | 60.7 | 61.0 | 61.3 | 61.1 | 61.1 | 61.1 |
| CE 14000 | 51.5 | 52.5 | 50.5 | 59.5 | 61.1 | 61.3 | 61.3 | 61.3 | 61.9 | 61.4 |
| CE 12000 | 50.1 | 51.1 | 51.1 | 52.5 | 52.5 | 62.5 | 62.7 | 62.3 | 62.5 | 62.5 |
| CE 10000 | 57.4 | 54.1 | 54.9 | 65.4 | 65.7 | 65.9 | 66.5 | 66.6 | 67.2 | 65.7 |
| CE 9000  | 55.2 | 54.5 | 55.8 | 65.9 | 65.2 | 66.9 | 66.5 | 66.6 | 66.7 | 65.7 |
| CE 8000  | 57.4 | 54.3 | 53.7 | 63.1 | 63.4 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| CE 7000  | 68.2 | 68.5 | 62.5 | 73.5 | 73.4 | 72.6 | 72.2 | 73.2 | 72.2 | 72.1 |
| CE 6000  | 57.1 | 57.2 | 71.1 | 71.5 | 71.2 | 72.2 | 72.5 | 72.4 | 72.4 | 72.5 |
| CE 5000  | 57.3 | 71.4 | 72.5 | 73.1 | 73.5 | 73.7 | 75.2 | 75.1 | 74.7 | 74.7 |
| CE 4000  | 72.3 | 74.3 | 75.5 | 75.2 | 75.7 | 75.9 | 77.2 | 77.1 | 77.1 | 77.1 |
| CE 3000  | 71.9 | 71.1 | 77.5 | 71.5 | 73.7 | 75.9 | 77.2 | 77.2 | 77.2 | 77.2 |
| CE 2000  | 75.7 | 75.9 | 72.5 | 61.5 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| CE 1000  | 77.5 | 73.7 | 71.5 | 62.7 | 63.7 | 73.9 | 64.1 | 64.5 | 74.4 | 64.5 |
| CE 2000  | 75.3 | 61.2 | 63.5 | 69.2 | 65.1 | 62.7 | 65.3 | 65.3 | 62.2 | 65.1 |
| CE 2000  | 67.4 | 68.9 | 69.5 | 65.1 | 67.2 | 67.5 | 77.7 | 68.2 | 67.2 | 67.2 |
| CE 1000  | 61.2 | 68.4 | 68.2 | 65.3 | 67.7 | 61.2 | 66.3 | 67.5 | 66.7 | 64.7 |
| CE 1500  | 61.4 | 63.9 | 65.5 | 66.3 | 66.2 | 62.7 | 64.1 | 63.2 | 63.2 | 63.2 |
| CE 1200  | 61.1 | 64.4 | 65.1 | 67.4 | 65.1 | 65.5 | 65.1 | 65.9 | 65.7 | 66.2 |
| CE 1000  | 61.6 | 66.5 | 66.2 | 67.5 | 68.5 | 69.5 | 68.1 | 61.9 | 61.9 | 61.9 |
| CE 900   | 65.7 | 65.1 | 69.9 | 66.2 | 63.6 | 65.2 | 66.7 | 61.5 | 61.5 | 61.5 |
| CE 800   | 67.7 | 65.3 | 67.1 | 67.4 | 69.2 | 65.5 | 61.4 | 62.4 | 62.4 | 62.4 |
| CE 700   | 62.3 | 65.5 | 67.3 | 65.5 | 62.2 | 61.6 | 61.7 | 62.1 | 63.1 | 62.2 |
| CE 600   | 62.3 | 65.5 | 67.3 | 65.5 | 60.3 | 61.2 | 62.3 | 63.2 | 62.4 | 64.2 |
| CE 500   | 62.3 | 65.5 | 67.5 | 69.1 | 69.1 | 69.0 | 69.0 | 64.3 | 64.3 | 65.1 |
| CE 400   | 62.3 | 65.5 | 67.5 | 69.0 | 69.4 | 69.0 | 69.1 | 64.5 | 64.5 | 65.1 |
| CE 300   | 62.3 | 65.5 | 67.5 | 69.1 | 61.2 | 62.2 | 63.3 | 64.1 | 64.6 | 65.3 |
| CE 200   | 62.3 | 65.5 | 67.5 | 69.1 | 61.0 | 62.2 | 63.3 | 64.2 | 64.5 | 65.3 |
| CE 100   | 62.3 | 65.5 | 67.5 | 69.1 | 61.0 | 62.2 | 63.3 | 64.7 | 65.6 | 66.1 |
| CE 000   | 62.3 | 65.5 | 67.5 | 69.1 | 61.0 | 62.2 | 63.3 | 64.5 | 65.6 | 66.1 |

TOTAL NUMBER OF OBSERVATIONS 932

0 - 2 - 4

# FREQUENCY OF OCCURRENCE BECOMING VERSUS VISIBILITY FROM HIGHLY OBSERVATIONS

PERIOD OF RECORD: JUL 70 - JUL 71  
 MONTH: JAN YEARS: 06-08

## FREQUENCY IN STATISTICAL UNITS

| 1/2   | 3/4   | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/2 | 2 3/4 | 3     | 3 1/4 | 3 1/2 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  |
| 59.1  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  |
| 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  |
| 61.2  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.2  |
| 61.3  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.5  |
| 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  |
| 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.1  |
| 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.7  |
| 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.7  |
| 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 71.2  |
| 72.4  | 72.4  | 72.4  | 72.4  | 72.4  | 72.4  | 72.4  | 72.4  | 72.4  | 72.4  | 72.7  |
| 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  |
| 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.2  |
| 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.4  |
| 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.7  |
| 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  |
| 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  |
| 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  |
| 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  |
| 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  |
| 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  |
| 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  |
| 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  |
| 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  |
| 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  |
| 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION NAME  
USAFETAG, ASHVILLE NC

PERCENTAGE RELATIVE HUMIDITY OF FLOOR AND CEILING  
RELATIVE HUMIDITY

STATION NUMBER: 226155

STATION NAME: GRADE 2850

TIME

GMT TO UTC: +5

DATE: 12/17/2011

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 7    | 8    | 9    | 4    | 3    | 1 1/2 | 1    | 1 1/2 | 1 1/4 | 1    |
|------------|------|------|------|------|------|-------|------|-------|-------|------|
| NO CLIL    | 63.3 | 61.3 | 61.4 | 60.9 | 60.6 | 61.3  | 61.3 | 61.3  | 61.3  | 61.3 |
| GE 20000   | 66.3 | 67.2 | 67.3 | 67.3 | 67.3 | 67.5  | 67.5 | 67.5  | 67.5  | 67.5 |
| GE 18000   | 65.3 | 67.4 | 67.7 | 66.7 | 66.1 | 66.1  | 66.1 | 66.1  | 66.1  | 66.1 |
| GE 16000   | 65.7 | 67.5 | 67.7 | 66.1 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 14000   | 67.5 | 67.2 | 67.5 | 66.7 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 12000   | 63.1 | 65.5 | 66.1 | 60.3 | 60.4 | 60.4  | 60.4 | 60.4  | 60.4  | 60.4 |
| GE 10000   | 61.5 | 65.5 | 65.7 | 65.1 | 63.7 | 63.3  | 63.3 | 63.3  | 63.3  | 63.3 |
| GE 8000    | 63.9 | 66.7 | 66.1 | 66.9 | 64.7 | 64.8  | 64.7 | 64.7  | 64.7  | 64.7 |
| GE 6000    | 67.3 | 66.3 | 66.9 | 66.4 | 66.5 | 66.5  | 66.5 | 66.5  | 66.5  | 66.5 |
| GE 4000    | 67.7 | 66.2 | 66.7 | 66.1 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 2000    | 66.7 | 66.2 | 66.3 | 66.4 | 66.5 | 66.5  | 66.5 | 66.5  | 66.5  | 66.5 |
| GE 1000    | 64.7 | 61.4 | 62.3 | 62.8 | 62.4 | 62.3  | 62.1 | 62.1  | 62.1  | 62.1 |
| GE 800     | 61.3 | 66.7 | 63.7 | 64.2 | 64.3 | 64.3  | 64.7 | 64.7  | 64.7  | 64.7 |
| GE 600     | 66.7 | 66.5 | 66.7 | 66.9 | 67.7 | 67.7  | 67.7 | 67.7  | 67.7  | 67.7 |
| GE 400     | 66.2 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 200     | 66.2 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 100     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 500     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 400     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 300     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 200     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 100     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 500     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 400     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 300     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 200     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |
| GE 100     | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2 | 66.2  | 66.2  | 66.2 |

TOTAL NUMBER OF OBSERVATIONS 930

1 - 2 - 4







PERIOD OF RECORD: JUL 79 - JUN 80  
 121TM: JUL 14 1300PS: 12-14

7 1 1 1 1

OPERATING LOCATION "A"  
USAFBAG, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL  
- 1000 TO 10000 FEET

STATION NUMBER: 735056

STATION NAME: BRAGG AFB, NC

10

1ST TIME: 6-1

10000

CEILING

VISIBILITY IN STATUTE MILES

IN FEET 7 8 9 10 11 12 13 14 15 16 17

| NO CEIL  | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 20000 | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 18000 | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 16000 | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 14000 | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 12000 | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 10000 | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 8000  | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 6000  | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 4000  | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 2000  | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 1000  | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 500   | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 200   | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 100   | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 50    | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 20    | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 10    | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 5     | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| GE 1     | 50.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |

TOTAL NUMBER OF OBSERVATIONS 930

0 - 2 - 10

PERIOD OF RECORD: JUL 79 - JUL 80  
MONTH: JAN FILES: 15-17

1 - 2 - 3

OPERATING LOCATION: WAW  
USAFHAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL-  
ING AND VISIBILITY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB MD

PERIOD:

EST ID VIC: + 5

MONTH: J

.....  
CEILINGS

.....  
VISIBILITY IN STATUTE MILES

IN  
FEET  
7  
8  
9  
4  
3  
2 1/2  
2  
1 1/2  
1 1/4  
1

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 56.0 | 56.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| GE 20000 | 51.1 | 51.1 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| GE 18000 | 51.2 | 51.4 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| GE 16000 | 51.7 | 51.7 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| GE 14000 | 51.7 | 51.7 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| GE 12000 | 52.0 | 52.4 | 52.4 | 52.9 | 52.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| GE 10000 | 55.8 | 55.8 | 55.8 | 55.9 | 55.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| GE 9000  | 55.8 | 55.8 | 55.9 | 55.1 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 8000  | 59.8 | 59.8 | 59.9 | 59.1 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| GE 7000  | 70.2 | 70.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 6000  | 72.4 | 72.4 | 72.9 | 73.0 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 5000  | 73.5 | 73.5 | 74.7 | 74.2 | 74.2 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 4000  | 75.0 | 75.0 | 75.0 | 75.2 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 3000  | 77.0 | 77.0 | 77.4 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 2000  | 77.2 | 77.4 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 1000  | 78.2 | 78.2 | 78.1 | 78.4 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 2500  | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 2000  | 75.7 | 75.4 | 75.9 | 75.7 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 1500  | 77.2 | 77.4 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 1000  | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 500   | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 200   | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 100   | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 500   | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 200   | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 100   | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 500   | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 200   | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 100   | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 500   | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 200   | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 100   | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 500   | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 200   | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 100   | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 500   | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 200   | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 100   | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 500   | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 200   | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 100   | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 930

MONTH: JAN YEARS: 19-20

6

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM hourly observations

STATION NUMBER: 725053

STATION NAME: PEASE AFB GA  
LSI TO UTC: + 5

PERIOD  
MONTH: J

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|------------|------|------|------|------|------|------|------|------|------|------|
| FEET       | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| NO CEIL    | 61.4 | 61.5 | 61.7 | 61.7 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| GE 20000   | 65.6 | 65.7 | 65.7 | 65.9 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 18000   | 65.0 | 65.1 | 65.3 | 65.3 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 16000   | 65.1 | 65.2 | 65.5 | 65.5 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 14000   | 65.5 | 65.5 | 65.5 | 65.7 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 12000   | 65.7 | 65.9 | 67.2 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 10000   | 69.5 | 69.7 | 70.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 8000    | 69.4 | 70.0 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 6000    | 71.7 | 71.7 | 73.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 5000    | 72.5 | 72.5 | 73.2 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 4000    | 73.1 | 73.2 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 3000    | 74.4 | 74.7 | 75.2 | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 2000    | 75.7 | 75.2 | 75.5 | 75.5 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 1500    | 70.5 | 72.5 | 73.7 | 70.1 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 1000    | 72.5 | 72.1 | 72.5 | 72.2 | 71.3 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 500     | 72.7 | 72.7 | 73.7 | 73.9 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 2500    | 73.3 | 74.2 | 75.3 | 75.3 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| GE 2000    | 74.2 | 75.2 | 75.3 | 75.5 | 77.2 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 |
| GE 1500    | 74.4 | 75.3 | 75.5 | 75.7 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 |
| GE 1000    | 74.5 | 75.7 | 75.9 | 77.1 | 78.2 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 |
| GE 500     | 75.5 | 75.3 | 77.5 | 76.5 | 79.1 | 79.2 | 79.4 | 79.7 | 79.7 | 79.7 |
| GE 1000    | 75.7 | 75.5 | 77.7 | 76.3 | 79.5 | 79.5 | 79.7 | 79.8 | 79.8 | 79.8 |
| GE 500     | 77.2 | 75.9 | 78.1 | 76.7 | 80.3 | 80.4 | 80.5 | 81.0 | 81.0 | 81.1 |
| GE 300     | 75.1 | 77.1 | 78.5 | 79.5 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 200     | 75.1 | 77.1 | 78.5 | 79.5 | 81.2 | 81.3 | 81.4 | 81.9 | 81.9 | 82.3 |
| GE 100     | 75.7 | 77.7 | 79.1 | 80.2 | 81.7 | 81.7 | 82.0 | 82.7 | 82.7 | 83.3 |
| GE 500     | 75.7 | 77.7 | 79.1 | 80.2 | 82.3 | 82.4 | 82.7 | 83.5 | 83.7 | 84.5 |
| GE 400     | 75.7 | 77.7 | 79.2 | 80.3 | 82.5 | 82.5 | 83.0 | 84.0 | 84.1 | 85.1 |
| GE 300     | 75.7 | 77.7 | 79.2 | 80.5 | 82.9 | 83.0 | 83.2 | 84.2 | 85.2 | 85.3 |
| GE 200     | 75.7 | 77.7 | 79.2 | 80.5 | 83.2 | 83.3 | 84.4 | 85.5 | 85.7 | 87.1 |
| GE 100     | 75.7 | 77.7 | 79.2 | 80.5 | 83.2 | 83.3 | 84.4 | 85.5 | 85.7 | 87.4 |
| GE 500     | 75.7 | 77.7 | 79.2 | 80.5 | 83.2 | 83.3 | 84.4 | 85.5 | 85.7 | 87.4 |

TOTAL NUMBER OF OBSERVATIONS 235

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 44-1000 PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: JAN HOURS: 21-23

VISIBILITY IN STATUTE MILES

| 1/2   | 3/4   | 1     | 1 1/4 | 1 1/2 | 2     | 3     | 4     | 5     | 6     | 7     | 8     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2   | 3/4   | 1     | 1 1/4 | 1 1/2 | 2     | 3     | 4     | 5     | 6     | 7     | 8     |
| 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  |
| 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  |
| 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |
| 66.8  | 66.8  | 66.8  | 66.8  | 66.8  | 66.8  | 66.8  | 66.8  | 66.8  | 66.8  | 66.8  | 66.8  |
| 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  |
| 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  |
| 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  |
| 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  |
| 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  |
| 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  |
| 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  |
| 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  |
| 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  |
| 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  |
| 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  |
| 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  |
| 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  |
| 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  |
| 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  |
| 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  |
| 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  |
| 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  |
| 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  |
| 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  |
| 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  |
| 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  |
| 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  |
| 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  |
| 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  |
| 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  |
| 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |



OPERATING LOCATION NAME  
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLIM  
FATHOM-HOURLY INSTANTANEOUS

STATION NUMBER: 725075

STATION NAME: PLATE 405 W  
EST ID NO: + 5

DATE: 1  
MONTH: 1

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 60<br>7 | 50<br>8 | 40<br>9 | 30<br>4 | 20<br>3 | 10<br>1 1/2 | 5<br>1 | 2 1/2<br>1 1/2 | 1 1/2<br>1 1/2 | 1<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|--------|----------------|----------------|--------|
| NO CEIL    | 54.3    | 54.1    | 55.3    | 55.4    | 55.5    | 55.5        | 55.7   | 55.8           | 55.8           | 55.7   |
| GE 20000   | 50.2    | 50.2    | 50.4    | 50.5    | 50.5    | 50.7        | 50.7   | 50.7           | 50.7           | 50.7   |
| GE 18000   | 50.2    | 50.5    | 50.5    | 50.5    | 51.0    | 51.0        | 51.0   | 51.1           | 51.1           | 51.1   |
| GE 16000   | 50.3    | 50.7    | 50.9    | 51.0    | 51.1    | 51.1        | 51.1   | 51.2           | 51.2           | 51.2   |
| GE 14000   | 50.2    | 51.3    | 51.2    | 51.3    | 51.7    | 51.2        | 51.2   | 51.2           | 51.2           | 51.2   |
| GE 12000   | 52.1    | 52.3    | 52.3    | 52.3    | 53.0    | 53.0        | 53.0   | 53.1           | 53.1           | 53.1   |
| GE 10000   | 54.3    | 55.3    | 55.4    | 55.7    | 55.7    | 55.8        | 55.8   | 55.8           | 55.8           | 55.7   |
| GE 9200    | 54.4    | 55.3    | 55.3    | 55.3    | 55.5    | 55.5        | 55.5   | 55.5           | 55.5           | 55.5   |
| GE 8000    | 54.7    | 54.4    | 59.0    | 70.1    | 70.2    | 70.3        | 70.3   | 70.3           | 70.3           | 70.3   |
| GE 7000    | 59.2    | 70.5    | 71.1    | 71.3    | 71.5    | 71.5        | 71.5   | 71.5           | 71.5           | 71.5   |
| GE 6000    | 71.3    | 71.3    | 72.3    | 72.5    | 72.7    | 72.8        | 72.8   | 72.8           | 72.8           | 72.8   |
| GE 5000    | 74.1    | 74.0    | 74.0    | 74.0    | 74.1    | 74.1        | 74.1   | 74.2           | 74.2           | 74.2   |
| GE 4500    | 74.1    | 74.4    | 75.5    | 75.3    | 75.1    | 75.2        | 75.3   | 75.4           | 75.4           | 75.4   |
| GE 4000    | 74.0    | 77.1    | 77.7    | 77.1    | 77.4    | 77.5        | 77.5   | 77.7           | 77.7           | 77.7   |
| GE 3500    | 77.7    | 77.3    | 79.5    | 79.1    | 79.4    | 79.5        | 79.7   | 79.7           | 79.7           | 79.7   |
| GE 3000    | 79.3    | 81.0    | 82.1    | 82.0    | 84.1    | 82.3        | 83.8   | 83.7           | 83.7           | 83.7   |
| GE 2500    | 81.0    | 82.2    | 83.4    | 83.9    | 84.0    | 84.1        | 84.3   | 84.3           | 84.3           | 84.3   |
| GE 2000    | 82.1    | 83.3    | 84.0    | 85.1    | 85.7    | 85.1        | 85.4   | 85.7           | 85.7           | 85.7   |
| GE 1800    | 82.3    | 83.6    | 84.8    | 85.3    | 85.1    | 85.4        | 85.7   | 87.1           | 87.2           | 87.0   |
| GE 1600    | 82.0    | 84.2    | 85.3    | 86.1    | 87.1    | 87.4        | 87.1   | 88.2           | 88.4           | 88.2   |
| GE 1200    | 83.7    | 85.2    | 85.5    | 87.2    | 86.4    | 88.0        | 87.2   | 88.0           | 88.1           | 88.3   |
| GE 1000    | 84.3    | 85.7    | 87.1    | 87.9    | 89.1    | 88.5        | 89.2   | 91.0           | 91.1           | 91.4   |
| GE 900     | 84.0    | 85.2    | 87.5    | 88.4    | 89.5    | 89.3        | 89.9   | 91.1           | 91.7           | 92.3   |
| GE 800     | 84.7    | 85.1    | 87.7    | 88.7    | 89.0    | 89.7        | 91.4   | 92.4           | 92.4           | 93.1   |
| GE 700     | 84.7    | 85.3    | 87.9    | 89.0    | 89.4    | 91.1        | 91.7   | 92.3           | 93.0           | 93.3   |
| GE 600     | 84.3    | 85.4    | 88.0    | 89.2    | 89.5    | 91.4        | 92.7   | 93.4           | 93.5           | 94.2   |
| GE 500     | 84.0    | 85.5    | 88.2    | 89.4    | 91.0    | 91.7        | 92.4   | 94.2           | 94.5           | 95.0   |
| GE 400     | 84.0    | 85.5    | 88.2    | 89.5    | 91.2    | 92.3        | 93.3   | 94.7           | 95.1           | 95.3   |
| GE 300     | 84.0    | 85.7    | 88.3    | 89.5    | 91.5    | 92.7        | 93.7   | 95.4           | 95.8           | 95.9   |
| GE 200     | 84.2    | 85.5    | 88.3    | 89.7    | 91.5    | 92.2        | 94.2   | 95.3           | 95.1           | 97.2   |
| GE 100     | 84.9    | 86.5    | 88.3    | 89.7    | 91.7    | 92.9        | 94.3   | 95.5           | 96.1           | 97.3   |
| GE 000     | 84.3    | 86.5    | 88.3    | 89.7    | 91.5    | 92.3        | 94.3   | 95.6           | 96.1           | 97.3   |

TOTAL NUMBER OF OBSERVATIONS 7440

j



WENT: FAP ID#5: 00-02

|     |       |       |   |     |     |     |     |     |    |
|-----|-------|-------|---|-----|-----|-----|-----|-----|----|
| 171 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/8 | 1/4 | 64 |
|-----|-------|-------|---|-----|-----|-----|-----|-----|----|

A

OPERATING LOCATION: WAM  
USAFETAC, ASH VILLE: NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLIMATIC  
ELEMENTS: 100.00

STATION NUMBER: 725955

STATION NAME: PLANT AREA  
LST TO HIC: + 5

DATE: 12/1/57  
TIME: 12:00

CEILING

VISIBILITY IN STATUTE MILES

| FEET | 1 | 2 | 3 | 4 | 5 | 6 1/2 | 7 | 8 1/4 | 9 1/4 | 10 |
|------|---|---|---|---|---|-------|---|-------|-------|----|
|------|---|---|---|---|---|-------|---|-------|-------|----|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| WD CEIL  | 53.2 | 53.7 | 53.1 | 54.1 | 54.1 | 54.3 | 54.3 | 54.7 | 54.7 | 54.7 |
| GE 20000 | 51.2 | 51.0 | 51.1 | 51.4 | 51.4 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 18000 | 51.2 | 51.0 | 51.1 | 51.4 | 51.4 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 16000 | 51.2 | 51.0 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 14000 | 51.2 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 12000 | 51.4 | 51.7 | 51.5 | 51.5 | 51.5 | 51.4 | 51.4 | 51.7 | 51.7 | 51.7 |
| GE 10000 | 51.7 | 51.4 | 51.5 | 51.5 | 51.5 | 51.1 | 51.7 | 51.4 | 51.4 | 51.4 |
| GE 9000  | 51.5 | 51.5 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 8000  | 51.5 | 51.7 | 51.5 | 51.7 | 51.7 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 7000  | 51.5 | 51.3 | 51.5 | 51.7 | 51.7 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 6000  | 51.5 | 51.2 | 51.5 | 51.4 | 51.5 | 51.7 | 51.7 | 51.5 | 51.5 | 51.5 |
| GE 5000  | 51.7 | 51.5 | 51.5 | 51.5 | 51.5 | 51.1 | 51.1 | 51.4 | 51.4 | 51.4 |
| GE 4500  | 51.1 | 51.5 | 51.1 | 51.4 | 51.4 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 4000  | 51.1 | 51.4 | 51.1 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 3500  | 51.7 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 3000  | 51.5 | 51.5 | 51.5 | 51.1 | 51.1 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 2500  | 51.1 | 51.5 | 51.5 | 51.5 | 51.5 | 51.4 | 51.4 | 51.7 | 51.7 | 51.7 |
| GE 2000  | 51.5 | 51.1 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 1800  | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 1600  | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 1400  | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 1200  | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 1000  | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 900   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 800   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 700   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 600   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 500   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 400   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 300   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 200   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |
| GE 100   | 51.5 | 51.3 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 |

TOTAL NUMBER OF OBSERVATIONS 240



OPERATING LOCATION NAME  
USARFAC, ASHEVILLE, NC

PERCENTAGE FAULTING OF LOGS AND/OR OF CLIM  
TEMPERATURE AND HUMIDITY

STATION NUMBER: 725755

STATION NAME: PHASE 4/1/64

EST. TIME: 4:5

CEILING

VISIBILITY IN STATION MILES

IN FEET 1 2 3 4 5 6 7 8 9 10 11 12

NO CEIL 49.7 49.7 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.7 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 10000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 10000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 14000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 10000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 10000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

SE 20000 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5 50.5

### 3.1. FREQUENCY OF OCCURRENCE OF CLIMING VERSUS VISIBILITY

3 2 1

PERIOD OF RECORD: JUL 70 - JUL 71

CONTIN: 531 HOURS: 26-27

STABILITY IN STATION: 915-5

[illegible][illegible]



OPERATING LOCATION NAME  
USAFETAG, ASH-VILLING NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLIMATIC  
CONDITIONS DURING PERIOD

STATION NUMBER: 726085

STATION NAME: PLASE ARBON

LSI TO HIC: + 8

DATE: 1970

TIME: 1

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 3-<br>7 | 3-<br>9 | 3-<br>13 | 3-<br>4 | 3-<br>3 | 3-<br>2 1/2 | 3-<br>2 | 3-<br>1 1/2 | 3-<br>1 1/4 | 3-<br>1 |
|------------|---------|---------|----------|---------|---------|-------------|---------|-------------|-------------|---------|
|------------|---------|---------|----------|---------|---------|-------------|---------|-------------|-------------|---------|

| NO. OF   | 60.2 | 60.4 | 60.7 | 61.0 | 61.2 | 61.5 | 61.7 | 61.9 | 62.1 | 62.3 |
|----------|------|------|------|------|------|------|------|------|------|------|
| 61 20000 | 57.7 | 58.4 | 58.7 | 58.8 | 58.7 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| 61 18000 | 58.3 | 58.2 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 61 16000 | 58.3 | 58.2 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 61 14000 | 58.7 | 58.4 | 58.7 | 58.8 | 58.7 | 58.4 | 58.1 | 58.1 | 58.1 | 58.1 |
| 61 12000 | 60.1 | 60.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 61 10000 | 62.4 | 63.3 | 64.3 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 61 8000  | 63.3 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 6000  | 64.1 | 64.7 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 61 4000  | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 2000  | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 1000  | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 500   | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 200   | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 100   | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 50    | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 20    | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 10    | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 5     | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 1     | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 61 0     | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |

TOTAL: 100.0 (100.0)

.

FIELD NO: JUL 72 - JB: 10

WINTH: 503 4095: 09-11

|     |       |       |   |     |     |     |     |     |     |
|-----|-------|-------|---|-----|-----|-----|-----|-----|-----|
| 1/2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 1/8 |
|-----|-------|-------|---|-----|-----|-----|-----|-----|-----|

OPERATING LOCATION NAME  
USAFHAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCUR- VOL OF CIL  
FROM 4000 LY OBSERVATION

STATION NUMBER: 726055

STATION NAME: PHASE 4-B JH  
LST TO UTC: + 5

TIME  
400000Z

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE   | SE   | TE   | GE   | SE   | TE    | SE   | TE    | SE    | TE   | SE   |
|------------|------|------|------|------|------|-------|------|-------|-------|------|------|
|            | 7    |      | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    |      |
| NO CIL     | 43.2 | 43.4 | 43.4 | 42.4 | 42.4 | 42.4  | 42.4 | 42.4  | 42.4  | 42.4 | 42.4 |
| GE 20000   | 54.1 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 18000   | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 16000   | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 14000   | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 12000   | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 10000   | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 9000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 8000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 7000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 6000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 5000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 4000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 3000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 2000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 1800    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 1600    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 1400    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 1200    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 1000    | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 900     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 800     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 700     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 600     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 500     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 400     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 300     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 200     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |
| GE 100     | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7 | 54.7  | 54.7  | 54.7 | 54.7 |

FINAL NUMBER OF OBSERVATIONS

1 - 2 - 1

DATE: FEB 1985: 12-14

13

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB TN

DATE: 11/1/54

EST. TIME: + 5

TIME: 11

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 5 | 7 | 9  | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25 |
|------------|---|---|----|----|----|----|----|----|----|----|----|
|            | 7 | 9 | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 27 |

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 20000 | 51.2 | 51.0 | 52.1 | 52.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 18000 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 16000 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 14000 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 12000 | 50.4 | 50.4 | 50.5 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 11000 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 10000 | 50.1 | 50.1 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 9000 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 8000 | 72.2 | 72.4 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 6000 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 5000 | 73.0 | 73.0 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 4000 | 72.7 | 72.9 | 73.4 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 3500 | 72.0 | 72.0 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 3000 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 2500 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 2000 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 1800 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 1600 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 1400 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 1200 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| GE 1000 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 900 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 800 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 700 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 600 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 500 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 400 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 300 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 200 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 100 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| GE 000 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

TOTAL PERCENTAGE OF OCCURRENCE: 100.0

# ON FREQUENCY OF OCCURRENCE OF GLILING VERSUS VISIBILITY FROM HIKELY OBSERVATIONS

NO. 101 PERIOD OF RECORD: JUL 77 - JUL 78

MINUTE: 253 HOURS: 16-17

## VISIBILITY IN STATUTE MILES

| 1/2   | 1     | 1 1/2 | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2   | 1     | 1 1/2 | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    |
| 48.2  | 48.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  |
| 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  |
| 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  |
| 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  | 50.4  |
| 50.2  | 50.2  | 50.2  | 50.2  | 50.2  | 50.2  | 50.2  | 50.2  | 50.2  | 50.2  | 50.2  | 50.2  |
| 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  | 50.7  |
| 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  |
| 50.6  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  |
| 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  |
| 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  |
| 71.7  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  |
| 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  |
| 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  |
| 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  |
| 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  |
| 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  |
| 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  |
| 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  |
| 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  |
| 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  |
| 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  |
| 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  |
| 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  | 94.3  |
| 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  |
| 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION: WAM  
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLOUD  
FIDUCIALLY DETERMINATION

STATION NUMBER: 715055

STATION NAME: PEASE AFB, NC

DATE: 7/1/54

LST TO UTC: + 5

TIME: 11:00

CEILING

VISIBILITY IN STATION HILLS

| IN<br>FEET | 07<br>7 | 08<br>8 | 09<br>9 | 10<br>4 | 11<br>3 | 12<br>1 1/2 | 01<br>2 | 02<br>1 1/2 | 03<br>1 1/4 | 04<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CIL   | 55.1 | 55.2 | 55.0 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| SE 20000 | 59.4 | 59.7 | 59.8 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| SE 15000 | 59.5 | 59.8 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| SE 10000 | 59.7 | 59.8 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| SE 14200 | 59.7 | 59.8 | 59.8 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| SE 13000 | 59.7 | 59.8 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| SE 10000 | 59.7 | 59.7 | 59.5 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| SE 9000  | 59.5 | 59.0 | 59.1 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| SE 7000  | 59.4 | 59.7 | 59.0 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| SE 7000  | 70.2 | 70.7 | 70.4 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE 5000  | 70.3 | 70.5 | 71.0 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| SE 5000  | 72.2 | 72.5 | 72.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| SE 4500  | 73.5 | 74.0 | 74.3 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| SE 4000  | 74.7 | 75.2 | 75.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| SE 3500  | 72.7 | 73.7 | 72.7 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| SE 3000  | 70.7 | 71.2 | 70.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| SE 2500  | 71.7 | 72.7 | 72.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| SE 2000  | 72.7 | 73.7 | 73.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| SE 1500  | 72.7 | 73.7 | 73.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| SE 1200  | 72.7 | 73.7 | 73.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| SE 1000  | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 700   | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 500   | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 300   | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 200   | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 100   | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 50    | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 20    | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 10    | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 5     | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 2     | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE 1     | 73.7 | 74.7 | 74.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |

TOTAL NO. OF OBSERVATIONS

50

- FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM AIRBORNE OBSERVATIONS

REF ID: A60390 JUL 79 - JUN 80  
MONTH: FEB DAYS: 12-20

PROXIMITY IN STATUTE-MILES

|     |   |       |       |   |     |     |     |     |     |   |
|-----|---|-------|-------|---|-----|-----|-----|-----|-----|---|
| 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 0 |
|-----|---|-------|-------|---|-----|-----|-----|-----|-----|---|

[illegible]





# EFFICIENCY OF ICELAND OF CHILING VERSUS VISIBILITY FULLY ADJUSTED

PERIOD OF RECORD: JUL 70 - JUN 71  
 ATOM: 512 HOURS: 21-23

UTILITY IN STATUTE MILES

|    | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1  | 51.1  | 51.1  | 51.1  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  |
| 2  | 52.1  | 52.1  | 52.1  | 52.7  | 52.7  | 52.7  | 52.7  | 52.7  | 52.7  |
| 3  | 53.1  | 53.1  | 53.1  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  | 53.6  |
| 4  | 54.1  | 54.1  | 54.1  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  |
| 5  | 55.1  | 55.1  | 55.1  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 6  | 56.1  | 56.1  | 56.1  | 56.7  | 56.7  | 56.7  | 56.7  | 56.7  | 56.7  |
| 7  | 57.1  | 57.1  | 57.1  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  |
| 8  | 58.1  | 58.1  | 58.1  | 58.7  | 58.7  | 58.7  | 58.7  | 58.7  | 58.7  |
| 9  | 59.1  | 59.1  | 59.1  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  |
| 10 | 60.1  | 60.1  | 60.1  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  | 60.7  |
| 11 | 61.1  | 61.1  | 61.1  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  |
| 12 | 62.1  | 62.1  | 62.1  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  |
| 13 | 63.1  | 63.1  | 63.1  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| 14 | 64.1  | 64.1  | 64.1  | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  |
| 15 | 65.1  | 65.1  | 65.1  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  |
| 16 | 66.1  | 66.1  | 66.1  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |
| 17 | 67.1  | 67.1  | 67.1  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  |
| 18 | 68.1  | 68.1  | 68.1  | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  |
| 19 | 69.1  | 69.1  | 69.1  | 69.7  | 69.7  | 69.7  | 69.7  | 69.7  | 69.7  |
| 20 | 70.1  | 70.1  | 70.1  | 70.7  | 70.7  | 70.7  | 70.7  | 70.7  | 70.7  |
| 21 | 71.1  | 71.1  | 71.1  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  | 71.7  |
| 22 | 72.1  | 72.1  | 72.1  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  |
| 23 | 73.1  | 73.1  | 73.1  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  |
| 24 | 74.1  | 74.1  | 74.1  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  |
| 25 | 75.1  | 75.1  | 75.1  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  |
| 26 | 76.1  | 76.1  | 76.1  | 76.7  | 76.7  | 76.7  | 76.7  | 76.7  | 76.7  |
| 27 | 77.1  | 77.1  | 77.1  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  |
| 28 | 78.1  | 78.1  | 78.1  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  |
| 29 | 79.1  | 79.1  | 79.1  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  |
| 30 | 80.1  | 80.1  | 80.1  | 80.7  | 80.7  | 80.7  | 80.7  | 80.7  | 80.7  |
| 31 | 81.1  | 81.1  | 81.1  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  |
| 32 | 82.1  | 82.1  | 82.1  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  |
| 33 | 83.1  | 83.1  | 83.1  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  |
| 34 | 84.1  | 84.1  | 84.1  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| 35 | 85.1  | 85.1  | 85.1  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  |
| 36 | 86.1  | 86.1  | 86.1  | 86.7  | 86.7  | 86.7  | 86.7  | 86.7  | 86.7  |
| 37 | 87.1  | 87.1  | 87.1  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  |
| 38 | 88.1  | 88.1  | 88.1  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  |
| 39 | 89.1  | 89.1  | 89.1  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.7  |
| 40 | 90.1  | 90.1  | 90.1  | 90.7  | 90.7  | 90.7  | 90.7  | 90.7  | 90.7  |
| 41 | 91.1  | 91.1  | 91.1  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| 42 | 92.1  | 92.1  | 92.1  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  |
| 43 | 93.1  | 93.1  | 93.1  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  |
| 44 | 94.1  | 94.1  | 94.1  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  |
| 45 | 95.1  | 95.1  | 95.1  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 46 | 96.1  | 96.1  | 96.1  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| 47 | 97.1  | 97.1  | 97.1  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  |
| 48 | 98.1  | 98.1  | 98.1  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| 49 | 99.1  | 99.1  | 99.1  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 50 | 100.1 | 100.1 | 100.1 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 |

OPERATING LOCATION: WAM  
USA-STAT, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM 30 MINUTE OBSERVATIONS

STATION NUMBER: 726265

STATION NAME: PEAS- AREA 40

PERIOD:

EST. TO HIC: + 5

ADDITION:

CEILING

VISIBILITY IN STATION: MILES

| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 52.3    | 52.5    | 52.     | 52.7    | 52.7    | 52.3        | 52.     | 52.3        | 52.3        | 52.3    |
| GE 20000   | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 18000   | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 16000   | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 14000   | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 12000   | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 10000   | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 8000    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 6000    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 4000    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 2000    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 1000    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 500     | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 250     | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 125     | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 62.5    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 31.2    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 15.6    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 7.8     | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 3.9     | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 1.9     | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .95     | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .475    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .237    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .119    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .059    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .029    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .014    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .007    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .003    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .001    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE .000    | 52.3    | 52.5    | 52.1    | 52.3    | 52.2    | 52.2        | 52.3    | 52.3        | 52.3        | 52.3    |

INITIALS: [illegible] DATE: 1972







OPERATING LOCATION NAME  
JASPER, ALABAMA

STATION NUMBER

DATE

STATION NUMBER: 72000

STATION NAME

DATE

STATION NAME

CEILING

IN  
FEET

7

8

9

10

11

WINDSPEED IN MPH  
110 120 130 140 150

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 49.4 | 51.7 | 53.1 | 54.5 | 55.9 | 57.3 | 58.7 | 60.1 | 61.5 | 62.9 |
| SE 2000 | 54.1 | 55.4 | 56.7 | 58.0 | 59.3 | 60.6 | 61.9 | 63.2 | 64.5 | 65.8 |
| SE 1800 | 52.7 | 54.0 | 55.3 | 56.6 | 57.9 | 59.2 | 60.5 | 61.8 | 63.1 | 64.4 |
| SE 1600 | 51.3 | 52.6 | 53.9 | 55.2 | 56.5 | 57.8 | 59.1 | 60.4 | 61.7 | 63.0 |
| SE 1400 | 49.9 | 51.2 | 52.5 | 53.8 | 55.1 | 56.4 | 57.7 | 59.0 | 60.3 | 61.6 |
| SE 1200 | 48.5 | 49.8 | 51.1 | 52.4 | 53.7 | 55.0 | 56.3 | 57.6 | 58.9 | 60.2 |
| SE 1000 | 47.1 | 48.4 | 49.7 | 51.0 | 52.3 | 53.6 | 54.9 | 56.2 | 57.5 | 58.8 |
| SE 800  | 45.7 | 47.0 | 48.3 | 49.6 | 50.9 | 52.2 | 53.5 | 54.8 | 56.1 | 57.4 |
| SE 600  | 44.3 | 45.6 | 46.9 | 48.2 | 49.5 | 50.8 | 52.1 | 53.4 | 54.7 | 56.0 |
| SE 400  | 42.9 | 44.2 | 45.5 | 46.8 | 48.1 | 49.4 | 50.7 | 52.0 | 53.3 | 54.6 |
| SE 200  | 41.5 | 42.8 | 44.1 | 45.4 | 46.7 | 48.0 | 49.3 | 50.6 | 51.9 | 53.2 |
| SE 100  | 40.1 | 41.4 | 42.7 | 44.0 | 45.3 | 46.6 | 47.9 | 49.2 | 50.5 | 51.8 |
| SE 500  | 38.7 | 40.0 | 41.3 | 42.6 | 43.9 | 45.2 | 46.5 | 47.8 | 49.1 | 50.4 |
| SE 400  | 37.3 | 38.6 | 39.9 | 41.2 | 42.5 | 43.8 | 45.1 | 46.4 | 47.7 | 49.0 |
| SE 300  | 35.9 | 37.2 | 38.5 | 39.8 | 41.1 | 42.4 | 43.7 | 45.0 | 46.3 | 47.6 |
| SE 200  | 34.5 | 35.8 | 37.1 | 38.4 | 39.7 | 41.0 | 42.3 | 43.6 | 44.9 | 46.2 |
| SE 100  | 33.1 | 34.4 | 35.7 | 37.0 | 38.3 | 39.6 | 40.9 | 42.2 | 43.5 | 44.8 |
| SE 500  | 31.7 | 33.0 | 34.3 | 35.6 | 36.9 | 38.2 | 39.5 | 40.8 | 42.1 | 43.4 |
| SE 400  | 30.3 | 31.6 | 32.9 | 34.2 | 35.5 | 36.8 | 38.1 | 39.4 | 40.7 | 42.0 |
| SE 300  | 28.9 | 30.2 | 31.5 | 32.8 | 34.1 | 35.4 | 36.7 | 38.0 | 39.3 | 40.6 |
| SE 200  | 27.5 | 28.8 | 30.1 | 31.4 | 32.7 | 34.0 | 35.3 | 36.6 | 37.9 | 39.2 |
| SE 100  | 26.1 | 27.4 | 28.7 | 30.0 | 31.3 | 32.6 | 33.9 | 35.2 | 36.5 | 37.8 |
| SE 500  | 24.7 | 26.0 | 27.3 | 28.6 | 29.9 | 31.2 | 32.5 | 33.8 | 35.1 | 36.4 |
| SE 400  | 23.3 | 24.6 | 25.9 | 27.2 | 28.5 | 29.8 | 31.1 | 32.4 | 33.7 | 35.0 |
| SE 300  | 21.9 | 23.2 | 24.5 | 25.8 | 27.1 | 28.4 | 29.7 | 31.0 | 32.3 | 33.6 |
| SE 200  | 20.5 | 21.8 | 23.1 | 24.4 | 25.7 | 27.0 | 28.3 | 29.6 | 30.9 | 32.2 |
| SE 100  | 19.1 | 20.4 | 21.7 | 23.0 | 24.3 | 25.6 | 26.9 | 28.2 | 29.5 | 30.8 |
| SE 500  | 17.7 | 19.0 | 20.3 | 21.6 | 22.9 | 24.2 | 25.5 | 26.8 | 28.1 | 29.4 |
| SE 400  | 16.3 | 17.6 | 18.9 | 20.2 | 21.5 | 22.8 | 24.1 | 25.4 | 26.7 | 28.0 |
| SE 300  | 14.9 | 16.2 | 17.5 | 18.8 | 20.1 | 21.4 | 22.7 | 24.0 | 25.3 | 26.6 |
| SE 200  | 13.5 | 14.8 | 16.1 | 17.4 | 18.7 | 20.0 | 21.3 | 22.6 | 23.9 | 25.2 |
| SE 100  | 12.1 | 13.4 | 14.7 | 16.0 | 17.3 | 18.6 | 19.9 | 21.2 | 22.5 | 23.8 |
| SE 500  | 10.7 | 12.0 | 13.3 | 14.6 | 15.9 | 17.2 | 18.5 | 19.8 | 21.1 | 22.4 |
| SE 400  | 9.3  | 10.6 | 11.9 | 13.2 | 14.5 | 15.8 | 17.1 | 18.4 | 19.7 | 21.0 |
| SE 300  | 7.9  | 9.2  | 10.5 | 11.8 | 13.1 | 14.4 | 15.7 | 17.0 | 18.3 | 19.6 |
| SE 200  | 6.5  | 7.8  | 9.1  | 10.4 | 11.7 | 13.0 | 14.3 | 15.6 | 16.9 | 18.2 |
| SE 100  | 5.1  | 6.4  | 7.7  | 9.0  | 10.3 | 11.6 | 12.9 | 14.2 | 15.5 | 16.8 |

TOTAL NUMBER OF OBSERVATIONS 930

0 - 2 - 20

A





OPERATING LOCATION MAP  
USAF/AFM, 4007/AFM/AFM

STATION NAME: PLANKA, A. 11  
STATION TYPE: PLANKA

STATION NAME: PLANKA, A. 11

STATION TYPE: PLANKA, A. 11

STATION TYPE: PLANKA, A. 11

CEILING

MINIMUM 10 MINUTE SPL

| IS<br>SPL | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 01 0000   | 47.1  | 47.2  | 47.3  | 47.4  | 47.5  | 47.6  | 47.7  | 47.8  | 47.9  | 48.0  |
| 02 0000   | 48.7  | 48.8  | 48.9  | 49.0  | 49.1  | 49.2  | 49.3  | 49.4  | 49.5  | 49.6  |
| 03 1000   | 49.7  | 49.8  | 49.9  | 50.0  | 50.1  | 50.2  | 50.3  | 50.4  | 50.5  | 50.6  |
| 04 1000   | 50.7  | 50.8  | 50.9  | 51.0  | 51.1  | 51.2  | 51.3  | 51.4  | 51.5  | 51.6  |
| 05 1000   | 52.7  | 52.8  | 52.9  | 53.0  | 53.1  | 53.2  | 53.3  | 53.4  | 53.5  | 53.6  |
| 06 1000   | 54.7  | 54.8  | 54.9  | 55.0  | 55.1  | 55.2  | 55.3  | 55.4  | 55.5  | 55.6  |
| 07 1000   | 56.7  | 56.8  | 56.9  | 57.0  | 57.1  | 57.2  | 57.3  | 57.4  | 57.5  | 57.6  |
| 08 1000   | 58.7  | 58.8  | 58.9  | 59.0  | 59.1  | 59.2  | 59.3  | 59.4  | 59.5  | 59.6  |
| 09 1000   | 60.7  | 60.8  | 60.9  | 61.0  | 61.1  | 61.2  | 61.3  | 61.4  | 61.5  | 61.6  |
| 10 1000   | 62.7  | 62.8  | 62.9  | 63.0  | 63.1  | 63.2  | 63.3  | 63.4  | 63.5  | 63.6  |
| 11 1000   | 64.7  | 64.8  | 64.9  | 65.0  | 65.1  | 65.2  | 65.3  | 65.4  | 65.5  | 65.6  |
| 12 1000   | 66.7  | 66.8  | 66.9  | 67.0  | 67.1  | 67.2  | 67.3  | 67.4  | 67.5  | 67.6  |
| 13 1000   | 68.7  | 68.8  | 68.9  | 69.0  | 69.1  | 69.2  | 69.3  | 69.4  | 69.5  | 69.6  |
| 14 1000   | 70.7  | 70.8  | 70.9  | 71.0  | 71.1  | 71.2  | 71.3  | 71.4  | 71.5  | 71.6  |
| 15 1000   | 72.7  | 72.8  | 72.9  | 73.0  | 73.1  | 73.2  | 73.3  | 73.4  | 73.5  | 73.6  |
| 16 1000   | 74.7  | 74.8  | 74.9  | 75.0  | 75.1  | 75.2  | 75.3  | 75.4  | 75.5  | 75.6  |
| 17 1000   | 76.7  | 76.8  | 76.9  | 77.0  | 77.1  | 77.2  | 77.3  | 77.4  | 77.5  | 77.6  |
| 18 1000   | 78.7  | 78.8  | 78.9  | 79.0  | 79.1  | 79.2  | 79.3  | 79.4  | 79.5  | 79.6  |
| 19 1000   | 80.7  | 80.8  | 80.9  | 81.0  | 81.1  | 81.2  | 81.3  | 81.4  | 81.5  | 81.6  |
| 20 1000   | 82.7  | 82.8  | 82.9  | 83.0  | 83.1  | 83.2  | 83.3  | 83.4  | 83.5  | 83.6  |
| 21 1000   | 84.7  | 84.8  | 84.9  | 85.0  | 85.1  | 85.2  | 85.3  | 85.4  | 85.5  | 85.6  |
| 22 1000   | 86.7  | 86.8  | 86.9  | 87.0  | 87.1  | 87.2  | 87.3  | 87.4  | 87.5  | 87.6  |
| 23 1000   | 88.7  | 88.8  | 88.9  | 89.0  | 89.1  | 89.2  | 89.3  | 89.4  | 89.5  | 89.6  |
| 24 1000   | 90.7  | 90.8  | 90.9  | 91.0  | 91.1  | 91.2  | 91.3  | 91.4  | 91.5  | 91.6  |
| 25 1000   | 92.7  | 92.8  | 92.9  | 93.0  | 93.1  | 93.2  | 93.3  | 93.4  | 93.5  | 93.6  |
| 26 1000   | 94.7  | 94.8  | 94.9  | 95.0  | 95.1  | 95.2  | 95.3  | 95.4  | 95.5  | 95.6  |
| 27 1000   | 96.7  | 96.8  | 96.9  | 97.0  | 97.1  | 97.2  | 97.3  | 97.4  | 97.5  | 97.6  |
| 28 1000   | 98.7  | 98.8  | 98.9  | 99.0  | 99.1  | 99.2  | 99.3  | 99.4  | 99.5  | 99.6  |
| 29 1000   | 100.7 | 100.8 | 100.9 | 101.0 | 101.1 | 101.2 | 101.3 | 101.4 | 101.5 | 101.6 |
| 30 1000   | 102.7 | 102.8 | 102.9 | 103.0 | 103.1 | 103.2 | 103.3 | 103.4 | 103.5 | 103.6 |
| 31 1000   | 104.7 | 104.8 | 104.9 | 105.0 | 105.1 | 105.2 | 105.3 | 105.4 | 105.5 | 105.6 |
| 32 1000   | 106.7 | 106.8 | 106.9 | 107.0 | 107.1 | 107.2 | 107.3 | 107.4 | 107.5 | 107.6 |
| 33 1000   | 108.7 | 108.8 | 108.9 | 109.0 | 109.1 | 109.2 | 109.3 | 109.4 | 109.5 | 109.6 |
| 34 1000   | 110.7 | 110.8 | 110.9 | 111.0 | 111.1 | 111.2 | 111.3 | 111.4 | 111.5 | 111.6 |
| 35 1000   | 112.7 | 112.8 | 112.9 | 113.0 | 113.1 | 113.2 | 113.3 | 113.4 | 113.5 | 113.6 |
| 36 1000   | 114.7 | 114.8 | 114.9 | 115.0 | 115.1 | 115.2 | 115.3 | 115.4 | 115.5 | 115.6 |
| 37 1000   | 116.7 | 116.8 | 116.9 | 117.0 | 117.1 | 117.2 | 117.3 | 117.4 | 117.5 | 117.6 |
| 38 1000   | 118.7 | 118.8 | 118.9 | 119.0 | 119.1 | 119.2 | 119.3 | 119.4 | 119.5 | 119.6 |
| 39 1000   | 120.7 | 120.8 | 120.9 | 121.0 | 121.1 | 121.2 | 121.3 | 121.4 | 121.5 | 121.6 |
| 40 1000   | 122.7 | 122.8 | 122.9 | 123.0 | 123.1 | 123.2 | 123.3 | 123.4 | 123.5 | 123.6 |
| 41 1000   | 124.7 | 124.8 | 124.9 | 125.0 | 125.1 | 125.2 | 125.3 | 125.4 | 125.5 | 125.6 |
| 42 1000   | 126.7 | 126.8 | 126.9 | 127.0 | 127.1 | 127.2 | 127.3 | 127.4 | 127.5 | 127.6 |
| 43 1000   | 128.7 | 128.8 | 128.9 | 129.0 | 129.1 | 129.2 | 129.3 | 129.4 | 129.5 | 129.6 |
| 44 1000   | 130.7 | 130.8 | 130.9 | 131.0 | 131.1 | 131.2 | 131.3 | 131.4 | 131.5 | 131.6 |
| 45 1000   | 132.7 | 132.8 | 132.9 | 133.0 | 133.1 | 133.2 | 133.3 | 133.4 | 133.5 | 133.6 |
| 46 1000   | 134.7 | 134.8 | 134.9 | 135.0 | 135.1 | 135.2 | 135.3 | 135.4 | 135.5 | 135.6 |
| 47 1000   | 136.7 | 136.8 | 136.9 | 137.0 | 137.1 | 137.2 | 137.3 | 137.4 | 137.5 | 137.6 |
| 48 1000   | 138.7 | 138.8 | 138.9 | 139.0 | 139.1 | 139.2 | 139.3 | 139.4 | 139.5 | 139.6 |
| 49 1000   | 140.7 | 140.8 | 140.9 | 141.0 | 141.1 | 141.2 | 141.3 | 141.4 | 141.5 | 141.6 |
| 50 1000   | 142.7 | 142.8 | 142.9 | 143.0 | 143.1 | 143.2 | 143.3 | 143.4 | 143.5 | 143.6 |
| 51 1000   | 144.7 | 144.8 | 144.9 | 145.0 | 145.1 | 145.2 | 145.3 | 145.4 | 145.5 | 145.6 |
| 52 1000   | 146.7 | 146.8 | 146.9 | 147.0 | 147.1 | 147.2 | 147.3 | 147.4 | 147.5 | 147.6 |
| 53 1000   | 148.7 | 148.8 | 148.9 | 149.0 | 149.1 | 149.2 | 149.3 | 149.4 | 149.5 | 149.6 |
| 54 1000   | 150.7 | 150.8 | 150.9 | 151.0 | 151.1 | 151.2 | 151.3 | 151.4 | 151.5 | 151.6 |
| 55 1000   | 152.7 | 152.8 | 152.9 | 153.0 | 153.1 | 153.2 | 153.3 | 153.4 | 153.5 | 153.6 |
| 56 1000   | 154.7 | 154.8 | 154.9 | 155.0 | 155.1 | 155.2 | 155.3 | 155.4 | 155.5 | 155.6 |
| 57 1000   | 156.7 | 156.8 | 156.9 | 157.0 | 157.1 | 157.2 | 157.3 | 157.4 | 157.5 | 157.6 |
| 58 1000   | 158.7 | 158.8 | 158.9 | 159.0 | 159.1 | 159.2 | 159.3 | 159.4 | 159.5 | 159.6 |
| 59 1000   | 160.7 | 160.8 | 160.9 | 161.0 | 161.1 | 161.2 | 161.3 | 161.4 | 161.5 | 161.6 |
| 60 1000   | 162.7 | 162.8 | 162.9 | 163.0 | 163.1 | 163.2 | 163.3 | 163.4 | 163.5 | 163.6 |
| 61 1000   | 164.7 | 164.8 | 164.9 | 165.0 | 165.1 | 165.2 | 165.3 | 165.4 | 165.5 | 165.6 |
| 62 1000   | 166.7 | 166.8 | 166.9 | 167.0 | 167.1 | 167.2 | 167.3 | 167.4 | 167.5 | 167.6 |
| 63 1000   | 168.7 | 168.8 | 168.9 | 169.0 | 169.1 | 169.2 | 169.3 | 169.4 | 169.5 | 169.6 |
| 64 1000   | 170.7 | 170.8 | 170.9 | 171.0 | 171.1 | 171.2 | 171.3 | 171.4 | 171.5 | 171.6 |
| 65 1000   | 172.7 | 172.8 | 172.9 | 173.0 | 173.1 | 173.2 | 173.3 | 173.4 | 173.5 | 173.6 |
| 66 1000   | 174.7 | 174.8 | 174.9 | 175.0 | 175.1 | 175.2 | 175.3 | 175.4 | 175.5 | 175.6 |
| 67 1000   | 176.7 | 176.8 | 176.9 | 177.0 | 177.1 | 177.2 | 177.3 | 177.4 | 177.5 | 177.6 |
| 68 1000   | 178.7 | 178.8 | 178.9 | 179.0 | 179.1 | 179.2 | 179.3 | 179.4 | 179.5 | 179.6 |
| 69 1000   | 180.7 | 180.8 | 180.9 | 181.0 | 181.1 | 181.2 | 181.3 | 181.4 | 181.5 | 181.6 |
| 70 1000   | 182.7 | 182.8 | 182.9 | 183.0 | 183.1 | 183.2 | 183.3 | 183.4 | 183.5 | 183.6 |
| 71 1000   | 184.7 | 184.8 | 184.9 | 185.0 | 185.1 | 185.2 | 185.3 | 185.4 | 185.5 | 185.6 |
| 72 1000   | 186.7 | 186.8 | 186.9 | 187.0 | 187.1 | 187.2 | 187.3 | 187.4 | 187.5 | 187.6 |
| 73 1000   | 188.7 | 188.8 | 188.9 | 189.0 | 189.1 | 189.2 | 189.3 | 189.4 | 189.5 | 189.6 |
| 74 1000   | 190.7 | 190.8 | 190.9 | 191.0 | 191.1 | 191.2 | 191.3 | 191.4 | 191.5 | 191.6 |
| 75 1000   | 192.7 | 192.8 | 192.9 | 193.0 | 193.1 | 193.2 | 193.3 | 193.4 | 193.5 | 193.6 |
| 76 1000   | 194.7 | 194.8 | 194.9 | 195.0 | 195.1 | 195.2 | 195.3 | 195.4 | 195.5 | 195.6 |
| 77 1000   | 196.7 | 196.8 | 196.9 | 197.0 | 197.1 | 197.2 | 197.3 | 197.4 | 197.5 | 197.6 |
| 78 1000   | 198.7 | 198.8 | 198.9 | 199.0 | 199.1 | 199.2 | 199.3 | 199.4 | 199.5 | 199.6 |
| 79 1000   | 200.7 | 200.8 | 200.9 | 201.0 | 201.1 | 201.2 | 201.3 | 201.4 | 201.5 | 201.6 |
| 80 1000   | 202.7 | 202.8 | 202.9 | 203.0 | 203.1 | 203.2 | 203.3 | 203.4 | 203.5 | 203.6 |
| 81 1000   | 204.7 | 204.8 | 204.9 | 205.0 | 205.1 | 205.2 | 205.3 | 205.4 | 205.5 | 205.6 |
| 82 1000   | 206.7 | 206.8 | 206.9 | 207.0 | 207.1 | 207.2 | 207.3 | 207.4 | 207.5 | 207.6 |
| 83 1000   | 208.7 | 208.8 | 208.9 | 209.0 | 209.1 | 209.2 | 209.3 | 209.4 | 209.5 | 209.6 |
| 84 1000   | 210.7 | 210.8 | 210.9 | 211.0 | 211.1 | 211.2 | 211.3 | 211.4 | 211.5 | 211.6 |
| 85 1000   | 212.7 | 212.8 | 212.9 | 213.0 | 213.1 | 213.2 | 213.3 | 213.4 | 213.5 | 213.6 |
| 86 1000   | 214.7 | 214.8 | 214.9 | 215.0 | 215.1 | 215.2 | 215.3 | 215.4 | 215.5 | 215.6 |
| 87 1000   | 216.7 | 216.8 | 216.9 | 217.0 | 217.1 | 217.2 | 217.3 | 217.4 | 217.5 | 217.6 |
| 88 1000   | 218.7 | 218.8 | 218.9 | 219.0 | 219.1 | 219.2 | 219.3 | 219.4 | 219.5 | 219.6 |
| 89 1000   | 220.7 | 220.8 | 220.9 | 221.0 | 221.1 | 221.2 | 221.3 | 221.4 | 221.5 | 221.6 |
| 90 1000   | 222.7 | 222.8 | 222.9 | 223.0 | 223.1 | 223.2 | 223.3 | 223.4 | 223.5 | 223.6 |
| 91 1000   | 224.7 | 224.8 | 224.9 | 225.0 | 225.1 | 225.2 | 225.3 | 225.4 | 225.5 | 225.6 |
| 92 1000   | 226.7 | 226.8 | 226.9 | 227.0 | 227.1 | 227.2 | 227.3 | 227.4 | 227.5 | 227.6 |
| 93 1000   | 228.7 | 228.8 | 228.9 | 229.0 | 229.1 | 229.2 | 229.3 | 229.4 | 229.5 | 229.6 |
| 94 1000   | 230.7 | 230.8 | 230.9 | 231.0 | 231.1 | 231.2 | 231.3 | 231.4 | 231.5 | 231.6 |
| 95 1000   | 232.7 | 232.8 | 232.9 | 233.0 | 233.1 | 233.2 | 233.3 | 233.4 | 233.5 | 233.6 |
| 96 1000   | 234.7 | 234.8 | 234.9 | 235.0 | 235.1 | 235.2 | 235.3 | 235.4 | 235.5 | 235.6 |
| 97 1000   | 236.7 | 236.8 | 236.9 | 237.0 | 237.1 | 237.2 | 237.3 | 237.4 | 237.5 | 237.6 |
| 98 1000   | 238.7 | 238.8 | 238.9 | 239.0 | 239.1 | 239.2 | 239.3 | 239.4 | 239.5 | 239.6 |
| 99 1000   | 240.7 | 240.8 | 240.9 | 241.0 | 241.1 | 241.2 | 241.3 | 241.4 | 241.5 | 241.6 |
| 100 1000  | 242.7 | 242.8 | 242.9 | 243.0 | 243.1 | 243.2 | 243.3 | 243.4 | 243.5 | 243.6 |

TOTAL NUMBER OF OBSERVATIONS 930

0 - 2 - 21

A

DATE: 12-11-68  
TIME: 13:00 HOURS: 20-1



[illegible]

• •

100

SECRET

.....

TOTAL NUMBER OF OBSERVATIONS 930

REF ID: A67098



OPERATING LOCATION: WAW  
USAF-ETAG, MCWILLIAMS

DISCONTINUED BY: 10/1/77  
REASON: 10/1/77

STATION NAME: 10/1/77  
STATION NAME: 10/1/77

| CEILING | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   |
|---------|------|------|------|------|------|------|------|------|------|------|
| FEET    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| GE 01L  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 2000 | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 1800 | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 1600 | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 1400 | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 1200 | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 1000 | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 800  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 700  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 600  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 500  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 400  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 300  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 200  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 100  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 000  | 48.7 | 48.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |

TOTAL NUMBER OF 100-VATILS 230

10-1-77

AGENCY OF THE BUREAU OF THE ARMY AND NAVY VISIBILITY

1. NAME: JIMMY - JAMES

10-11: 11-12: 12-13

[illegible]

[illegible]

!

— 11 —

VICTOR L. M. ...

.....

TOTAL NUMBER OF PRESERVATIONS 939

RECEIVED: 1971-07-15  
RECEIVED: 1971-07-15

1



[illegible]

•  
•  
•

.....

[illegible]

TOTAL 1974-75 15,200,000 930

UNITED STATES DEPARTMENT OF COMMERCE  
BUREAU OF ECONOMIC ANALYSIS

MONTHLY REPORT OF FOREIGN TRADE  
JULY 1934 - JULY 1935  
SUMMARY OF FOREIGN TRADE JULY 1934 - JULY 1935

UNITED STATES TRADE

| 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | 1941  | 1942  | 1943  | 1944  | 1945  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | 1941  | 1942  | 1943  | 1944  | 1945  |
| 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  |
| 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  | 50.1  |
| 55.1  | 55.1  | 55.1  | 55.1  | 55.1  | 55.1  | 55.1  | 55.1  | 55.1  | 55.1  | 55.1  | 55.1  |
| 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  |
| 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  |
| 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  |
| 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  |
| 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  |
| 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  |
| 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  |
| 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  |
| 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  |
| 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  |
| 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  |
| 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  |
| 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  |
| 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  |
| 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  |
| 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  |
| 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  |
| 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  |
| 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  |
| 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  |
| 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  |
| 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  |
| 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  |
| 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  |
| 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  |
| 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  |
| 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE PROBABILITY OF WEATHER BEING  
100% 100% 100% 100% 100%

STATION NUMBER: 700000

STATION NAME: BASE A

TIME

LOT TO LOC: +5

TIME

CRILING

VISIBILITY IN STATION

IN 10 20 30 40 50 60 70 80 90 100  
FEET 7 11/2 1 11/2 1 11/2 1 11/2 1 11/2 1

| NO CRIL  | 52.5 | 52.7 | 52.9 | 53.1 | 53.3 | 53.5 | 53.7 | 53.9 | 54.1 | 54.3 | 54.5 |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| GE 20000 | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 18000 | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 16000 | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 14000 | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 12000 | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 10000 | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 8000  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 6000  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 4000  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 2000  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 1000  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 500   | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 250   | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 125   | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 62.5  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 31.2  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 15.6  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 7.8   | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 3.9   | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE 1.9   | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .95   | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .475  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .237  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .118  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .059  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .029  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .014  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .007  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .003  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |
| GE .001  | 55.1 | 55.3 | 55.5 | 55.7 | 55.9 | 56.1 | 56.3 | 56.5 | 56.7 | 56.9 | 57.1 |

TOTAL NUMBER OF OBSERVATIONS 930

# THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM NOCTURNAL OBSERVATIONS

STATION: 10000 PERIOD OF RECORD: JUL 77 - JUL 78  
UNIT: MMS HOURS: 21-23

## ..... VISIBILITY IN STATUTE MILES

| 1/4   | 1/2   | 3/4   | 1     | 1 1/2 | 2     | 2 1/2 | 3     | 4     | 5     | 6     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/4   | 1/2   | 3/4   | 1     | 1 1/2 | 2     | 2 1/2 | 3     | 4     | 5     | 6     |
| 53.0  | 53.0  | 53.0  | 53.0  | 53.0  | 53.0  | 53.0  | 53.0  | 53.0  | 53.0  | 53.0  |
| 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  |
| 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  |
| 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  |
| 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  |
| 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  |
| 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  |
| 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  |
| 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  |
| 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  |
| 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  |
| 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  |
| 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  |
| 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  |
| 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  |
| 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  |
| 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  |
| 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  |
| 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  |
| 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  |
| 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  |
| 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  |
| 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  |
| 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  |
| 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
| 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  |
| 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  |
| 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  |
| 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  |
| 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  |
| 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  |
| 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  |
| 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  |
| 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  |
| 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  |
| 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"  
USAFETAC, ADONVILLE, NC

RE-STATEMENT OF POLICY OF ACCIDENTS OF 1981  
IN THE FIELD OF OBSERVATIONS

STATION NUMBER: 726056

STATION NAME: 726056

STATION

EST TO UTC: + 5

STATION

CEILING

VELOCITY IN MILES

IN FEET 7 7 7 7 7 7 7 7 7 7 7 7

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 40.0 | 40.0 | 40.4 | 40.5 | 40.5 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.7 |
| GE 2000 | 53.1 | 54.0 | 54.1 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 1800 | 53.1 | 54.4 | 54.7 | 54.8 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 1600 | 54.1 | 54.5 | 54.8 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| GE 1400 | 54.4 | 54.7 | 55.0 | 55.3 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 1200 | 55.5 | 55.7 | 56.0 | 56.4 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.7 |
| GE 1000 | 57.7 | 58.2 | 58.5 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| GE 800  | 59.1 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 600  | 61.4 | 61.4 | 62.6 | 62.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 400  | 63.1 | 63.7 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 200  | 63.9 | 64.4 | 64.7 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 500  | 65.1 | 65.2 | 65.5 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 400  | 66.0 | 66.1 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 300  | 67.5 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 200  | 68.1 | 68.2 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 100  | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 500  | 70.2 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 400  | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 300  | 72.1 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 200  | 73.1 | 73.2 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 100  | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 500  | 75.1 | 75.2 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 400  | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 300  | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 200  | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 100  | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 500  | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 400  | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 300  | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 200  | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 100  | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 500  | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 400  | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 300  | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 200  | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 100  | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 500  | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 400  | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 300  | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 200  | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 100  | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 500  | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 400  | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 300  | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 200  | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 100  | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 7440

### 3. FREQUENCY OF OCCURRENCE OF COLLISIONS VERSUS VISIBILITY FROM AIRBORNE OBSERVATIONS

PERIOD OF RECORD: JUL 77 - JUN 78  
MONTH: MAR 1978: ALL

## ABILITY IN STATE FILES

[illegible]

OPERATING LOCATION: "A"  
USAFETAC, ASHVILLE, NC

PERCENTAGE FAILURE OF RECORDING OF DATA  
- 0.00% -

STATION NUMBER: 700000

STATION NAME: PLANE 4500

DATE: 10/1/77

REF ID: AIC: + 3

TIME: 12:00

CEILING

VISIBILITY IN STATION

| IN<br>FEET | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|------------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL    | 46.9 | 47.2 | 47.7 | 47.1 | 48.0 | 47.0 | 47.3 | 47.6 | 47.1 | 47.1 |
| GE 20000   | 49.9 | 50.2 | 50.7 | 50.3 | 51.0 | 51.3 | 51.3 | 51.3 | 51.7 | 51.7 |
| GE 18000   | 49.9 | 50.2 | 50.7 | 50.3 | 51.0 | 51.3 | 51.3 | 51.3 | 51.7 | 51.7 |
| GE 16000   | 49.9 | 50.2 | 50.7 | 50.3 | 51.0 | 51.3 | 51.3 | 51.3 | 51.7 | 51.7 |
| GE 14000   | 50.2 | 50.5 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 | 51.3 | 51.7 | 51.7 |
| GE 12000   | 50.3 | 51.1 | 51.1 | 51.7 | 51.3 | 51.7 | 51.3 | 51.3 | 51.7 | 51.7 |
| GE 10000   | 52.3 | 52.7 | 53.1 | 53.2 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 9000    | 52.3 | 53.1 | 53.3 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 8000    | 53.1 | 53.3 | 53.2 | 53.3 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| GE 7000    | 57.0 | 57.7 | 58.1 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| GE 6000    | 59.2 | 59.3 | 59.3 | 59.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 5000    | 61.2 | 61.6 | 62.3 | 62.4 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 4500    | 64.2 | 65.2 | 66.4 | 66.6 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 4000    | 65.3 | 66.3 | 67.2 | 67.3 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 3500    | 67.3 | 67.2 | 67.7 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 3000    | 70.1 | 71.0 | 71.5 | 71.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 2500    | 71.1 | 72.1 | 72.9 | 73.3 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 2000    | 72.3 | 73.4 | 74.2 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 1800    | 72.7 | 73.3 | 74.3 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 1600    | 74.1 | 75.2 | 75.1 | 75.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 |
| GE 1400    | 74.3 | 75.3 | 75.3 | 77.7 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 |
| GE 1200    | 75.0 | 77.0 | 78.3 | 79.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 1000    | 76.4 | 77.5 | 79.0 | 79.3 | 80.3 | 81.0 | 81.0 | 81.0 | 81.4 | 81.4 |
| GE 900     | 77.3 | 77.3 | 80.3 | 81.2 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 800     | 77.3 | 77.1 | 80.3 | 82.0 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 700     | 78.1 | 78.4 | 81.2 | 83.1 | 85.2 | 85.7 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 600     | 78.1 | 79.3 | 81.7 | 84.3 | 87.0 | 87.5 | 87.9 | 87.5 | 87.5 | 87.5 |
| GE 500     | 78.2 | 80.2 | 82.4 | 85.2 | 88.2 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 400     | 78.7 | 80.2 | 82.7 | 85.5 | 89.0 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 300     | 78.7 | 80.2 | 82.7 | 85.5 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 200     | 78.7 | 80.2 | 82.7 | 85.5 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 100     | 78.7 | 80.2 | 82.7 | 85.5 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 000     | 78.7 | 80.2 | 82.7 | 85.5 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |

TOTAL NUMBER OF OBSERVATIONS 300

0 - 2 - 2

A

REF ID: A66043  
 REPORT OF R-0403: JUL 73 - JUL 73  
 REPORT: ADP - 47785: 00-00

|     | 1/2  | 3/4  | 1    | 1 1/4 | 1 1/2 | 1 3/4 | 2    | 2 1/4 | 2 1/2 | 2 3/4 | 3    |
|-----|------|------|------|-------|-------|-------|------|-------|-------|-------|------|
| 1.0 | 41.0 | 41.4 | 41.7 | 42.0  | 42.3  | 42.6  | 42.9 | 43.2  | 43.5  | 43.8  | 44.1 |
| 1.1 | 41.3 | 41.7 | 42.0 | 42.3  | 42.6  | 42.9  | 43.2 | 43.5  | 43.8  | 44.1  | 44.4 |
| 1.2 | 41.6 | 42.0 | 42.3 | 42.6  | 42.9  | 43.2  | 43.5 | 43.8  | 44.1  | 44.4  | 44.7 |
| 1.3 | 41.9 | 42.3 | 42.6 | 42.9  | 43.2  | 43.5  | 43.8 | 44.1  | 44.4  | 44.7  | 45.0 |
| 1.4 | 42.2 | 42.6 | 42.9 | 43.2  | 43.5  | 43.8  | 44.1 | 44.4  | 44.7  | 45.0  | 45.3 |
| 1.5 | 42.5 | 42.9 | 43.2 | 43.5  | 43.8  | 44.1  | 44.4 | 44.7  | 45.0  | 45.3  | 45.6 |
| 1.6 | 42.8 | 43.2 | 43.5 | 43.8  | 44.1  | 44.4  | 44.7 | 45.0  | 45.3  | 45.6  | 45.9 |
| 1.7 | 43.1 | 43.5 | 43.8 | 44.1  | 44.4  | 44.7  | 45.0 | 45.3  | 45.6  | 45.9  | 46.2 |
| 1.8 | 43.4 | 43.8 | 44.1 | 44.4  | 44.7  | 45.0  | 45.3 | 45.6  | 45.9  | 46.2  | 46.5 |
| 1.9 | 43.7 | 44.1 | 44.4 | 44.7  | 45.0  | 45.3  | 45.6 | 45.9  | 46.2  | 46.5  | 46.8 |
| 2.0 | 44.0 | 44.4 | 44.7 | 45.0  | 45.3  | 45.6  | 45.9 | 46.2  | 46.5  | 46.8  | 47.1 |
| 2.1 | 44.3 | 44.7 | 45.0 | 45.3  | 45.6  | 45.9  | 46.2 | 46.5  | 46.8  | 47.1  | 47.4 |
| 2.2 | 44.6 | 45.0 | 45.3 | 45.6  | 45.9  | 46.2  | 46.5 | 46.8  | 47.1  | 47.4  | 47.7 |
| 2.3 | 44.9 | 45.3 | 45.6 | 45.9  | 46.2  | 46.5  | 46.8 | 47.1  | 47.4  | 47.7  | 48.0 |
| 2.4 | 45.2 | 45.6 | 45.9 | 46.2  | 46.5  | 46.8  | 47.1 | 47.4  | 47.7  | 48.0  | 48.3 |
| 2.5 | 45.5 | 45.9 | 46.2 | 46.5  | 46.8  | 47.1  | 47.4 | 47.7  | 48.0  | 48.3  | 48.6 |
| 2.6 | 45.8 | 46.2 | 46.5 | 46.8  | 47.1  | 47.4  | 47.7 | 48.0  | 48.3  | 48.6  | 48.9 |
| 2.7 | 46.1 | 46.5 | 46.8 | 47.1  | 47.4  | 47.7  | 48.0 | 48.3  | 48.6  | 48.9  | 49.2 |
| 2.8 | 46.4 | 46.8 | 47.1 | 47.4  | 47.7  | 48.0  | 48.3 | 48.6  | 48.9  | 49.2  | 49.5 |
| 2.9 | 46.7 | 47.1 | 47.4 | 47.7  | 48.0  | 48.3  | 48.6 | 48.9  | 49.2  | 49.5  | 49.8 |
| 3.0 | 47.0 | 47.4 | 47.7 | 48.0  | 48.3  | 48.6  | 48.9 | 49.2  | 49.5  | 49.8  | 50.1 |
| 3.1 | 47.3 | 47.7 | 48.0 | 48.3  | 48.6  | 48.9  | 49.2 | 49.5  | 49.8  | 50.1  | 50.4 |
| 3.2 | 47.6 | 48.0 | 48.3 | 48.6  | 48.9  | 49.2  | 49.5 | 49.8  | 50.1  | 50.4  | 50.7 |
| 3.3 | 47.9 | 48.3 | 48.6 | 48.9  | 49.2  | 49.5  | 49.8 | 50.1  | 50.4  | 50.7  | 51.0 |
| 3.4 | 48.2 | 48.6 | 48.9 | 49.2  | 49.5  | 49.8  | 50.1 | 50.4  | 50.7  | 51.0  | 51.3 |
| 3.5 | 48.5 | 48.9 | 49.2 | 49.5  | 49.8  | 50.1  | 50.4 | 50.7  | 51.0  | 51.3  | 51.6 |
| 3.6 | 48.8 | 49.2 | 49.5 | 49.8  | 50.1  | 50.4  | 50.7 | 51.0  | 51.3  | 51.6  | 51.9 |
| 3.7 | 49.1 | 49.5 | 49.8 | 50.1  | 50.4  | 50.7  | 51.0 | 51.3  | 51.6  | 51.9  | 52.2 |
| 3.8 | 49.4 | 49.8 | 50.1 | 50.4  | 50.7  | 51.0  | 51.3 | 51.6  | 51.9  | 52.2  | 52.5 |
| 3.9 | 49.7 | 50.1 | 50.4 | 50.7  | 51.0  | 51.3  | 51.6 | 51.9  | 52.2  | 52.5  | 52.8 |
| 4.0 | 50.0 | 50.4 | 50.7 | 51.0  | 51.3  | 51.6  | 51.9 | 52.2  | 52.5  | 52.8  | 53.1 |
| 4.1 | 50.3 | 50.7 | 51.0 | 51.3  | 51.6  | 51.9  | 52.2 | 52.5  | 52.8  | 53.1  | 53.4 |
| 4.2 | 50.6 | 51.0 | 51.3 | 51.6  | 51.9  | 52.2  | 52.5 | 52.8  | 53.1  | 53.4  | 53.7 |
| 4.3 | 50.9 | 51.3 | 51.6 | 51.9  | 52.2  | 52.5  | 52.8 | 53.1  | 53.4  | 53.7  | 54.0 |
| 4.4 | 51.2 | 51.6 | 51.9 | 52.2  | 52.5  | 52.8  | 53.1 | 53.4  | 53.7  | 54.0  | 54.3 |
| 4.5 | 51.5 | 51.9 | 52.2 | 52.5  | 52.8  |       |      |       |       |       |      |



OPERATIONAL LOCATION NAME  
USAFETAC, ASHVILLE, NC

PERCENTAGE PROBABILITY OF OCCURRENCE  
OF VISIBILITY AT LOCATION

STATION NUMBER: 728050

STATION NAME: GRADY AIRFIELD

UNIT:

EST. TO MIC: +5

UNIT: +

CEILING

VISIBILITY IN STATUTE MILES

IN FEET 7 8 9 10 11 12 1 1 1 1 1

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| GE 20000 | 47.2 | 47.6 | 47.3 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| GE 18000 | 47.4 | 47.7 | 47.1 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| GE 16000 | 47.4 | 47.4 | 47.3 | 47.4 | 47.6 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| GE 14000 | 47.5 | 47.3 | 47.2 | 47.2 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| GE 12000 | 47.7 | 47.2 | 47.1 | 47.7 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| GE 10000 | 51.1 | 51.4 | 52.0 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| GE 9000  | 51.1 | 52.2 | 52.3 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| GE 8000  | 54.3 | 55.2 | 55.3 | 55.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 7000  | 56.3 | 57.2 | 57.3 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 6000  | 56.3 | 57.7 | 58.2 | 58.4 | 59.7 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| GE 5000  | 59.3 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 4000  | 62.1 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 3500  | 64.4 | 65.7 | 65.7 | 67.2 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 3000  | 66.3 | 67.6 | 68.1 | 68.4 | 69.3 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 2500  | 68.1 | 69.1 | 70.2 | 71.1 | 71.3 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 2000  | 68.3 | 70.0 | 71.7 | 72.2 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 1800  | 69.1 | 70.2 | 72.3 | 72.7 | 73.1 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 1600  | 70.1 | 71.1 | 73.3 | 74.0 | 74.4 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 1400  | 71.1 | 72.2 | 74.7 | 75.3 | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| GE 1200  | 72.2 | 73.3 | 75.6 | 76.4 | 77.7 | 77.1 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 1000  | 72.2 | 73.3 | 75.6 | 75.4 | 77.3 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 900   | 73.0 | 74.2 | 75.7 | 77.7 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 800   | 73.4 | 74.7 | 77.4 | 78.4 | 80.0 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 600   | 73.3 | 75.1 | 73.0 | 74.7 | 82.0 | 82.2 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 500   | 74.2 | 75.0 | 73.4 | 81.1 | 83.6 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 400   | 74.3 | 75.0 | 73.3 | 82.0 | 82.2 | 86.6 | 86.3 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 300   | 74.3 | 76.3 | 80.3 | 82.3 | 85.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 200   | 74.3 | 75.3 | 80.3 | 82.3 | 85.3 | 86.4 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 100   | 74.3 | 76.3 | 80.3 | 82.3 | 86.3 | 86.4 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 50    | 74.3 | 76.3 | 80.3 | 82.3 | 86.3 | 86.4 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 |

TOTAL NUMBER OF OBSERVATIONS 900

0 - 2 - 29

DATE: JUL 73 - JUL 73  
INITIALS: AP- QUOTE: 03-05

D

OPERATING LOCATION "A"  
USAFCTAC, ASH-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
WIND DIRECTION OBSERVATIONS

STATION NUMBER: 726086

STATION NAME: PEARL ANDERSON  
EST. TIME: + 5

DATE:  
TIME:

CEILING

VISIBILITY IN STATUTE MILES

IN FEET 7 8 9 4 3 1 1/2 2 1 1/2 1 1/4 1

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 38.2 | 37.7 | 39.5 | 39.2 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| GE 20000 | 44.2 | 44.3 | 45.1 | 45.3 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.7 |
| GE 18000 | 44.7 | 45.2 | 45.5 | 45.3 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.1 |
| GE 16000 | 44.7 | 45.3 | 45.7 | 45.9 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.7 |
| GE 14000 | 45.1 | 45.7 | 45.2 | 45.2 | 45.5 | 45.4 | 45.4 | 45.4 | 45.4 | 45.2 |
| GE 12000 | 45.5 | 47.4 | 47.5 | 48.1 | 48.3 | 48.7 | 47.8 | 48.7 | 48.1 | 48.5 |
| GE 10000 | 49.3 | 51.5 | 51.1 | 51.4 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.5 |
| GE 9000  | 51.3 | 51.5 | 51.7 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 51.5 |
| GE 8000  | 51.3 | 51.4 | 51.5 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 51.5 |
| GE 7000  | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| GE 6000  | 52.7 | 52.1 | 52.1 | 51.5 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.5 |
| GE 5000  | 53.3 | 53.3 | 53.2 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.2 |
| GE 4500  | 53.7 | 53.2 | 53.2 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.7 |
| GE 4000  | 54.3 | 53.3 | 53.3 | 53.9 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.9 |
| GE 3500  | 55.7 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 3000  | 57.3 | 57.2 | 57.2 | 57.9 | 57.4 | 57.3 | 57.4 | 57.4 | 57.4 | 57.5 |
| GE 2500  | 57.5 | 57.7 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 2000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1800  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1600  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1400  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1200  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 900   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 800   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 700   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 600   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 500   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 400   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 300   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 200   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 100   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 000   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |

TOTAL NUMBER OF OBSERVATIONS 200

# INCIDENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM AIRCRAFT OBSERVATIONS

PERIOD: APRIL 1965 - JULY 1965

MONTH: APRIL HOURS: 05-20

## VISIBILITY IN STATUTE MILES

|     | 1/2   | 3/4   | 1 1/2 | 1 3/4 | 2     | 3     | 4     | 5     | 6     | 7     |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     | 1/2   | 3/4   | 1 1/2 | 1 3/4 | 2     | 3     | 4     | 5     | 6     | 7     |
| 0.4 | 39.4  | 39.4  | 39.4  | 39.4  | 39.5  | 39.6  | 39.6  | 39.6  | 39.6  | 39.6  |
| 0.5 | 40.5  | 40.5  | 40.5  | 40.5  | 40.7  | 40.7  | 40.7  | 40.7  | 40.7  | 40.7  |
| 0.6 | 41.6  | 41.6  | 41.6  | 41.6  | 41.8  | 41.8  | 41.8  | 41.8  | 41.8  | 41.8  |
| 0.7 | 42.7  | 42.7  | 42.7  | 42.7  | 42.9  | 42.9  | 42.9  | 42.9  | 42.9  | 42.9  |
| 0.8 | 43.8  | 43.8  | 43.8  | 43.8  | 44.0  | 44.0  | 44.0  | 44.0  | 44.0  | 44.0  |
| 0.9 | 44.9  | 44.9  | 44.9  | 44.9  | 45.1  | 45.1  | 45.1  | 45.1  | 45.1  | 45.1  |
| 1.0 | 46.0  | 46.0  | 46.0  | 46.0  | 46.2  | 46.2  | 46.2  | 46.2  | 46.2  | 46.2  |
| 1.1 | 47.1  | 47.1  | 47.1  | 47.1  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  |
| 1.2 | 48.2  | 48.2  | 48.2  | 48.2  | 48.4  | 48.4  | 48.4  | 48.4  | 48.4  | 48.4  |
| 1.3 | 49.3  | 49.3  | 49.3  | 49.3  | 49.5  | 49.5  | 49.5  | 49.5  | 49.5  | 49.5  |
| 1.4 | 50.4  | 50.4  | 50.4  | 50.4  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  | 50.6  |
| 1.5 | 51.5  | 51.5  | 51.5  | 51.5  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  |
| 1.6 | 52.6  | 52.6  | 52.6  | 52.6  | 52.8  | 52.8  | 52.8  | 52.8  | 52.8  | 52.8  |
| 1.7 | 53.7  | 53.7  | 53.7  | 53.7  | 53.9  | 53.9  | 53.9  | 53.9  | 53.9  | 53.9  |
| 1.8 | 54.8  | 54.8  | 54.8  | 54.8  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  |
| 1.9 | 55.9  | 55.9  | 55.9  | 55.9  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  | 56.1  |
| 2.0 | 57.0  | 57.0  | 57.0  | 57.0  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  |
| 2.1 | 58.1  | 58.1  | 58.1  | 58.1  | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  |
| 2.2 | 59.2  | 59.2  | 59.2  | 59.2  | 59.4  | 59.4  | 59.4  | 59.4  | 59.4  | 59.4  |
| 2.3 | 60.3  | 60.3  | 60.3  | 60.3  | 60.5  | 60.5  | 60.5  | 60.5  | 60.5  | 60.5  |
| 2.4 | 61.4  | 61.4  | 61.4  | 61.4  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  |
| 2.5 | 62.5  | 62.5  | 62.5  | 62.5  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  |
| 2.6 | 63.6  | 63.6  | 63.6  | 63.6  | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  | 63.8  |
| 2.7 | 64.7  | 64.7  | 64.7  | 64.7  | 64.9  | 64.9  | 64.9  | 64.9  | 64.9  | 64.9  |
| 2.8 | 65.8  | 65.8  | 65.8  | 65.8  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  |
| 2.9 | 66.9  | 66.9  | 66.9  | 66.9  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  |
| 3.0 | 68.0  | 68.0  | 68.0  | 68.0  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| 3.1 | 69.1  | 69.1  | 69.1  | 69.1  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  |
| 3.2 | 70.2  | 70.2  | 70.2  | 70.2  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  |
| 3.3 | 71.3  | 71.3  | 71.3  | 71.3  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  |
| 3.4 | 72.4  | 72.4  | 72.4  | 72.4  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  |
| 3.5 | 73.5  | 73.5  | 73.5  | 73.5  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  |
| 3.6 | 74.6  | 74.6  | 74.6  | 74.6  | 74.8  | 74.8  | 74.8  | 74.8  | 74.8  | 74.8  |
| 3.7 | 75.7  | 75.7  | 75.7  | 75.7  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  |
| 3.8 | 76.8  | 76.8  | 76.8  | 76.8  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 3.9 | 77.9  | 77.9  | 77.9  | 77.9  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  |
| 4.0 | 79.0  | 79.0  | 79.0  | 79.0  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| 4.1 | 80.1  | 80.1  | 80.1  | 80.1  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  |
| 4.2 | 81.2  | 81.2  | 81.2  | 81.2  | 81.4  | 81.4  | 81.4  | 81.4  | 81.4  | 81.4  |
| 4.3 | 82.3  | 82.3  | 82.3  | 82.3  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  |
| 4.4 | 83.4  | 83.4  | 83.4  | 83.4  | 83.6  | 83.6  | 83.6  | 83.6  | 83.6  | 83.6  |
| 4.5 | 84.5  | 84.5  | 84.5  | 84.5  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| 4.6 | 85.6  | 85.6  | 85.6  | 85.6  | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  |
| 4.7 | 86.7  | 86.7  | 86.7  | 86.7  | 86.9  | 86.9  | 86.9  | 86.9  | 86.9  | 86.9  |
| 4.8 | 87.8  | 87.8  | 87.8  | 87.8  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| 4.9 | 88.9  | 88.9  | 88.9  | 88.9  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  |
| 5.0 | 90.0  | 90.0  | 90.0  | 90.0  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  |
| 5.1 | 91.1  | 91.1  | 91.1  | 91.1  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  |
| 5.2 | 92.2  | 92.2  | 92.2  | 92.2  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  |
| 5.3 | 93.3  | 93.3  | 93.3  | 93.3  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  |
| 5.4 | 94.4  | 94.4  | 94.4  | 94.4  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  |
| 5.5 | 95.5  | 95.5  | 95.5  | 95.5  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 5.6 | 96.6  | 96.6  | 96.6  | 96.6  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  |
| 5.7 | 97.7  | 97.7  | 97.7  | 97.7  | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  | 97.9  |
| 5.8 | 98.8  | 98.8  | 98.8  | 98.8  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 5.9 | 99.9  | 99.9  | 99.9  | 99.9  | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 |
| 6.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION NAME  
USAFAC, AGGRIVILLE

PLANTAGE NAME AND ADDRESS  
PLANTAGE NAME AND ADDRESS

STATION NO. 725

STATION NAME: AGGRIVILLE  
LAT. TO DIST. 5

DATE: 1/1/68

CEILING

VISIBILITY IN FEET

IN  
FEET

7

8

9

10

11

12

13

14

15

16

17

NO CEIL

45.0

46.0

47.0

48.0

49.0

50.0

51.0

52.0

53.0

54.0

55.0

GE 20000

43.4

43.4

43.4

43.4

43.4

43.4

43.4

43.4

43.4

43.4

43.4

GE 18000

44.2

44.2

44.2

44.2

44.2

44.2

44.2

44.2

44.2

44.2

44.2

GE 16000

44.2

44.2

44.2

44.2

44.2

44.2

44.2

44.2

44.2

44.2

44.2

GE 14000

48.2

48.2

48.2

48.2

48.2

48.2

48.2

48.2

48.2

48.2

48.2

GE 12000

45.7

45.7

45.7

45.7

45.7

45.7

45.7

45.7

45.7

45.7

45.7

GE 10000

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 8000

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 6000

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 4000

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 2000

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 1000

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 500

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 200

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 100

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 50

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 20

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 10

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 5

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 0.5

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 0.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 0.05

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

47.1

GE 0.01

47.1

47.1

47.1

47.1

47.1

DATE: 08-01-00: JUL 20 - 00  
TIME: 0000: 02-11

13

OPERATING LOCATION: "A"  
 JOSEPHINE, MISSOURI

DATE OF FIELD OBSERVATION: 10/10/68  
 TIME OF DAY: 17:00

STATION 100 : 70000

STATION 101 : PLACE NAME  
 LUTHERVILLE

101  
 10100

CHILDS

VELOCITY IN MILES

| IN<br>FEET | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|------------|------|------|------|------|------|------|------|------|------|------|
| 60 0710    | 30.0 | 20.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| 61 2000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 62 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 63 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 64 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 65 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 66 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 67 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 68 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 69 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 70 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 71 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 72 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 73 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 74 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 75 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 76 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 77 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 78 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 79 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 80 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 81 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 82 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 83 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 84 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 85 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 86 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 87 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 88 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 89 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 90 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 91 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 92 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 93 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 94 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 95 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 96 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 97 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 98 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 99 1000    | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 100 1000   | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |

INITIAL NUMBER OF OBSERVATIONS: 900

EFFECT OF POLARITY OF LOGGING OF BUILDING VERSUS VISIBILITY  
OF BUILDING OBSERVATIONS

DATE: APR 1968: 102 77 - 304 14  
CONT: APR 1968: 12-14

[illegible]



OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
AND VISIBILITY OBSERVATIONS

STATION NUMBER: 728056

STATION NAME: DEANE AND  
1ST TO HIC: + 5

STATION  
ELEVATION: 1

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | SE<br>6 | GE<br>5 | SE<br>4 | GE<br>3 | SE<br>2 1/2 | SE<br>2 | SE<br>1 1/2 | SE<br>1 1/4 | SE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 39.2    | 39.4    | 39.9    | 39.9    | 39.9    | 39.9        | 39.9    | 39.9        | 39.9        | 39.9    |
| GE 20000   | 47.3    | 47.3    | 47.3    | 47.3    | 47.3    | 47.3        | 47.3    | 47.3        | 47.3        | 47.3    |
| GE 18000   | 47.3    | 47.7    | 47.7    | 47.7    | 47.7    | 47.7        | 47.7    | 47.7        | 47.7        | 47.7    |
| GE 16000   | 47.3    | 47.7    | 47.7    | 47.7    | 47.7    | 47.7        | 47.7    | 47.7        | 47.7        | 47.7    |
| GE 14000   | 47.2    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 12000   | 47.2    | 47.7    | 47.7    | 47.7    | 47.7    | 47.7        | 47.7    | 47.7        | 47.7        | 47.7    |
| GE 10000   | 51.4    | 52.3    | 52.3    | 52.3    | 52.3    | 52.3        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 8000    | 52.4    | 52.3    | 52.3    | 52.3    | 52.3    | 52.3        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 6000    | 55.4    | 55.2    | 55.2    | 55.4    | 55.4    | 55.4        | 55.4    | 55.4        | 55.4        | 55.4    |
| GE 4000    | 57.2    | 57.2    | 57.2    | 57.2    | 57.2    | 57.2        | 57.2    | 57.2        | 57.2        | 57.2    |
| GE 2000    | 57.7    | 57.1    | 57.4    | 57.7    | 57.7    | 57.7        | 57.7    | 57.7        | 57.7        | 57.7    |
| GE 1000    | 62.7    | 62.2    | 62.3    | 62.3    | 62.3    | 62.3        | 62.3    | 62.3        | 62.3        | 62.3    |
| GE 800     | 64.3    | 64.2    | 64.2    | 64.4    | 64.4    | 64.4        | 64.4    | 64.4        | 64.4        | 64.4    |
| GE 600     | 67.3    | 67.6    | 67.7    | 70.1    | 70.2    | 70.2        | 70.3    | 70.3        | 70.3        | 70.3    |
| GE 400     | 72.4    | 72.3    | 72.7    | 72.2    | 72.2    | 72.2        | 72.1    | 72.1        | 72.1        | 72.1    |
| GE 200     | 74.1    | 75.0    | 75.4    | 76.7    | 75.2    | 75.2        | 77.2    | 77.2        | 77.2        | 77.2    |
| GE 100     | 77.4    | 77.7    | 77.1    | 77.3    | 77.7    | 77.7        | 77.7    | 77.7        | 77.7        | 77.7    |
| GE 50      | 80.7    | 81.3    | 81.3    | 82.1    | 82.4    | 82.4        | 82.7    | 82.7        | 82.7        | 82.7    |
| GE 25      | 82.2    | 81.5    | 82.1    | 82.4    | 82.7    | 82.7        | 82.7    | 82.7        | 82.7        | 82.7    |
| GE 15      | 82.4    | 82.7    | 82.7    | 84.1    | 84.1    | 84.1        | 84.3    | 84.3        | 84.3        | 84.3    |
| GE 10      | 83.4    | 85.0    | 85.7    | 86.7    | 86.5    | 86.7        | 86.7    | 86.7        | 86.7        | 86.7    |
| GE 5       | 84.3    | 85.4    | 87.4    | 87.7    | 88.5    | 88.3        | 89.2    | 89.2        | 89.2        | 89.2    |
| GE 2       | 85.4    | 87.1    | 88.1    | 88.5    | 89.2    | 89.4        | 89.7    | 89.7        | 89.7        | 89.7    |
| GE 1       | 85.9    | 87.7    | 88.3    | 89.3    | 89.2    | 89.3        | 89.5    | 89.5        | 89.5        | 89.5    |
| GE 0.5     | 85.1    | 88.2    | 89.3    | 89.9    | 89.7    | 89.7        | 91.2    | 91.4        | 91.9        | 92.2    |
| GE 0.25    | 85.5    | 88.7    | 89.7    | 91.0    | 92.0    | 92.7        | 93.7    | 93.9        | 94.7        | 94.7    |
| GE 0.1     | 86.3    | 89.2    | 89.3    | 91.7    | 93.0    | 94.7        | 94.8    | 95.2        | 95.5        | 95.5    |
| GE 0.05    | 87.2    | 89.7    | 91.3    | 92.4    | 93.7    | 94.9        | 95.4    | 97.3        | 97.5        | 97.5    |
| GE 0.025   | 87.2    | 89.7    | 91.3    | 92.4    | 93.3    | 95.1        | 95.7    | 97.4        | 98.4        | 98.7    |
| GE 0.01    | 87.2    | 89.7    | 91.3    | 92.4    | 93.3    | 95.1        | 95.7    | 97.4        | 98.4        | 98.7    |
| GE 0.005   | 87.2    | 89.7    | 91.3    | 92.4    | 93.3    | 95.1        | 95.7    | 97.4        | 98.4        | 98.7    |

TOTAL NUMBER OF OBSERVATIONS 300

100 FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: APR HOURS: 15-17

.....  
VISIBILITY IN STATUTE MILES

| 1 1/2 | 1     | 3/4   | 1 1/2 | 1 1/4 | 3/4   | 5/8   | 1/2   | 3/4   | 1/4   | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 39.0  | 39.0  | 39.0  | 39.0  | 39.0  | 39.0  | 39.0  | 39.0  | 39.0  | 39.0  | 39.0  |
| 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  |
| 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  |
| 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  | 47.7  |
| 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  | 48.1  |
| 49.7  | 49.7  | 49.7  | 49.7  | 49.7  | 49.7  | 49.7  | 49.7  | 49.7  | 49.7  | 49.7  |
| 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  |
| 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  |
| 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  |
| 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  |
| 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  |
| 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  |
| 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  |
| 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  | 70.3  |
| 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  |
| 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  |
| 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  |
| 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  |
| 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  |
| 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  |
| 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  |
| 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  | 89.8  |
| 90.7  | 90.7  | 90.7  | 90.7  | 90.7  | 90.7  | 90.7  | 90.7  | 90.7  | 90.7  | 90.7  |
| 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  |
| 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  |
| 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  |
| 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

.....

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF 1000-MPH OR GREATER  
WINDS DURING 1000 OBSERVATIONS

STATION NAME: 725055

STATION NAME: PEASE AFB  
LST TO UTC: + 5

STATION  
NUMBER

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 0F<br>1 | 0F<br>2 | 0F<br>3 | 0F<br>4 | 0F<br>5 | 0F<br>6 | 0F<br>7 | 0F<br>8 | 0F<br>9 | 0F<br>10 |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| NO CEIL    | 41.2    | 41.4    | 41.7    | 41.9    | 41.3    | 41.2    | 41.7    | 41.7    | 41.9    | 41.9     |
| GE 20000   | 47.1    | 47.5    | 47.5    | 47.3    | 47.8    | 47.9    | 47.9    | 47.9    | 47.9    | 47.9     |
| GE 18000   | 47.4    | 47.7    | 48.1    | 48.2    | 48.2    | 48.2    | 48.2    | 48.2    | 48.2    | 48.2     |
| GE 16000   | 47.4    | 47.7    | 48.1    | 48.2    | 48.2    | 48.2    | 48.2    | 48.2    | 48.2    | 48.2     |
| GE 14000   | 47.7    | 48.2    | 48.4    | 48.5    | 48.5    | 48.5    | 48.5    | 48.5    | 48.5    | 48.5     |
| GE 12000   | 48.3    | 48.7    | 49.1    | 49.1    | 49.1    | 49.1    | 49.1    | 49.1    | 49.1    | 49.1     |
| GE 10000   | 51.7    | 52.1    | 52.3    | 52.4    | 52.4    | 52.4    | 52.4    | 52.4    | 52.4    | 52.4     |
| GE 8000    | 52.3    | 52.7    | 53.0    | 53.1    | 53.1    | 53.1    | 53.1    | 53.1    | 53.1    | 53.1     |
| GE 6000    | 55.5    | 55.9    | 56.2    | 56.4    | 56.4    | 56.4    | 56.4    | 56.4    | 56.4    | 56.4     |
| GE 4000    | 57.7    | 58.1    | 58.3    | 58.5    | 58.5    | 58.5    | 58.5    | 58.5    | 58.5    | 58.5     |
| GE 2000    | 59.3    | 59.7    | 59.7    | 59.9    | 59.9    | 59.9    | 59.9    | 59.9    | 59.9    | 59.9     |
| GE 1000    | 63.1    | 63.7    | 64.1    | 64.4    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5    | 64.5     |
| GE 800     | 65.5    | 66.1    | 66.5    | 67.0    | 67.1    | 67.1    | 67.1    | 67.1    | 67.1    | 67.1     |
| GE 600     | 67.7    | 68.1    | 68.1    | 68.5    | 68.7    | 68.7    | 68.7    | 68.7    | 68.7    | 68.7     |
| GE 400     | 71.7    | 71.3    | 71.4    | 72.4    | 73.1    | 73.2    | 73.2    | 73.2    | 73.2    | 73.2     |
| GE 300     | 72.5    | 73.2    | 73.4    | 75.0    | 75.3    | 75.4    | 75.4    | 75.4    | 75.4    | 75.4     |
| GE 250     | 75.2    | 75.2    | 77.5    | 77.7    | 77.7    | 77.7    | 77.7    | 77.7    | 77.7    | 77.7     |
| GE 200     | 77.9    | 77.9    | 77.2    | 78.1    | 79.5    | 79.7    | 79.7    | 79.7    | 79.7    | 79.7     |
| GE 180     | 75.5    | 75.7    | 77.3    | 78.2    | 79.7    | 79.7    | 79.7    | 79.7    | 79.7    | 79.7     |
| GE 160     | 77.2    | 77.2    | 79.9    | 80.2    | 81.7    | 81.7    | 81.7    | 81.7    | 81.7    | 81.7     |
| GE 140     | 74.2    | 73.2    | 81.4    | 82.4    | 83.4    | 83.4    | 83.4    | 83.4    | 83.4    | 83.4     |
| GE 120     | 77.7    | 77.4    | 82.7    | 83.7    | 84.8    | 85.2    | 85.2    | 85.2    | 85.2    | 85.2     |
| GE 100     | 77.2    | 77.7    | 83.1    | 84.3    | 85.7    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9     |
| GE 80      | 79.9    | 81.4    | 84.5    | 85.2    | 85.9    | 87.2    | 87.4    | 87.4    | 87.4    | 87.4     |
| GE 70      | 79.4    | 81.5    | 84.2    | 85.9    | 87.7    | 88.1    | 88.4    | 88.4    | 88.4    | 88.4     |
| GE 60      | 79.3    | 81.6    | 84.5    | 85.4    | 86.3    | 89.2    | 89.5    | 89.5    | 89.5    | 89.5     |
| GE 50      | 80.3    | 82.0    | 85.0    | 87.5    | 89.1    | 90.1    | 91.2    | 91.9    | 92.1    | 92.4     |
| GE 40      | 81.1    | 83.0    | 85.2    | 86.3    | 91.0    | 92.1    | 93.3    | 94.5    | 95.1    | 95.3     |
| GE 30      | 81.2    | 83.1    | 85.3    | 86.4    | 91.3    | 92.5    | 94.5    | 95.3    | 95.9    | 96.5     |
| GE 20      | 81.2    | 83.1    | 85.3    | 86.4    | 91.2    | 92.7    | 94.1    | 95.7    | 96.3    | 97.2     |
| GE 10      | 81.2    | 83.1    | 85.3    | 86.4    | 91.3    | 92.7    | 94.1    | 95.4    | 96.4    | 97.3     |
| GE 00      | 81.2    | 83.1    | 85.3    | 86.4    | 91.3    | 92.7    | 94.1    | 95.7    | 96.4    | 97.3     |

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION NAME  
USAFHAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
SPECIFIC VISIBILITY

STATION NUMBER: 725065

STATION NAME: PLANE AREA

DATE: 10/1/54

LET TO HIC: + 5

TIME: 10:00

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 00<br>7 | 00<br>8 | 00<br>9 | 00<br>4 | 00<br>3 | 00<br>2 1/2 | 00<br>1 | 00<br>1 1/2 | 00<br>1 1/4 | 00<br>1 | 00<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|---------|
| NO CEIL    | 45.1    | 45.5    | 45.3    | 45.3    | 45.5    | 45.5        | 45.5    | 45.5        | 45.5        | 45.7    | 45.7    |
| 00 20000   | 44.7    | 44.1    | 44.9    | 44.9    | 50.1    | 50.1        | 50.1    | 50.1        | 50.2        | 50.2    | 50.2    |
| 00 18000   | 43.0    | 43.4    | 50.2    | 50.2    | 50.4    | 50.4        | 50.4    | 50.4        | 50.5        | 50.5    | 50.5    |
| 00 16000   | 43.0    | 43.4    | 50.2    | 50.2    | 50.4    | 50.4        | 50.4    | 50.4        | 50.5        | 50.5    | 50.5    |
| 00 14000   | 43.3    | 43.4    | 50.2    | 50.2    | 50.4    | 50.4        | 50.4    | 50.4        | 50.5        | 50.5    | 50.5    |
| 00 12000   | 43.5    | 50.0    | 50.5    | 50.5    | 51.0    | 51.0        | 51.0    | 51.0        | 51.1        | 51.1    | 51.1    |
| 00 10000   | 51.5    | 52.0    | 53.0    | 53.0    | 53.2    | 53.2        | 53.2    | 53.2        | 53.3        | 53.3    | 53.3    |
| 00 9000    | 51.9    | 52.3    | 53.0    | 53.3    | 53.6    | 53.6        | 53.6    | 53.6        | 53.7        | 53.7    | 53.7    |
| 00 8000    | 55.0    | 55.4    | 55.4    | 55.4    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        | 55.7    | 55.7    |
| 00 7000    | 57.3    | 57.3    | 58.5    | 58.5    | 59.2    | 59.2        | 59.2    | 59.2        | 59.2        | 59.2    | 59.2    |
| 00 6000    | 58.1    | 58.5    | 59.5    | 59.7    | 60.3    | 60.3        | 60.3    | 60.3        | 60.3        | 60.3    | 60.3    |
| 00 5000    | 61.5    | 62.3    | 62.3    | 62.4    | 63.7    | 63.7        | 63.7    | 63.7        | 63.7        | 63.7    | 63.7    |
| 00 4500    | 67.4    | 67.1    | 67.1    | 67.3    | 67.5    | 67.5        | 67.5    | 67.5        | 67.5        | 67.5    | 67.5    |
| 00 4000    | 67.1    | 67.2    | 68.5    | 68.1    | 68.4    | 68.4        | 68.4    | 68.4        | 68.4        | 68.4    | 68.4    |
| 00 3500    | 68.5    | 68.5    | 71.7    | 71.9    | 71.3    | 71.3        | 71.3    | 71.3        | 71.3        | 71.3    | 71.3    |
| 00 3000    | 71.5    | 71.1    | 73.7    | 73.5    | 74.0    | 74.1        | 74.1    | 74.1        | 74.1        | 74.1    | 74.1    |
| 00 2500    | 73.1    | 73.4    | 74.1    | 75.1    | 75.5    | 75.7        | 75.7    | 75.7        | 75.7        | 75.7    | 75.7    |
| 00 2000    | 75.3    | 75.3    | 75.7    | 77.0    | 77.4    | 77.5        | 77.5    | 77.5        | 77.5        | 77.5    | 77.5    |
| 00 1500    | 74.1    | 75.5    | 75.9    | 77.2    | 77.7    | 77.7        | 77.7    | 77.7        | 77.7        | 77.7    | 77.7    |
| 00 1000    | 75.2    | 77.2    | 78.5    | 79.1    | 79.7    | 79.8        | 79.8    | 79.8        | 79.8        | 79.8    | 79.8    |
| 00 1200    | 75.5    | 75.0    | 79.5    | 80.3    | 80.9    | 81.0        | 81.0    | 81.0        | 81.1        | 81.1    | 81.1    |
| 00 1000    | 77.1    | 75.4    | 80.3    | 81.2    | 81.9    | 82.0        | 82.0    | 82.0        | 82.0        | 82.0    | 82.0    |
| 00 900     | 77.7    | 74.1    | 81.0    | 82.0    | 82.5    | 82.5        | 82.5    | 82.5        | 82.5        | 82.5    | 82.5    |
| 00 800     | 77.1    | 73.8    | 81.7    | 82.7    | 83.6    | 83.6        | 83.6    | 83.6        | 83.6        | 83.6    | 83.6    |
| 00 700     | 72.4    | 80.1    | 82.2    | 83.4    | 84.4    | 84.9        | 85.2    | 85.1        | 85.5        | 85.3    | 85.3    |
| 00 600     | 73.7    | 80.5    | 83.2    | 85.3    | 87.0    | 87.5        | 87.7    | 87.9        | 88.1        | 88.1    | 88.1    |
| 00 500     | 73.0    | 80.0    | 83.5    | 85.0    | 87.2    | 88.7        | 89.7    | 90.0        | 90.2        | 90.2    | 90.2    |
| 00 400     | 73.5    | 81.4    | 84.1    | 85.9    | 89.5    | 90.7        | 92.1    | 92.4        | 92.7        | 92.9    | 92.9    |
| 00 300     | 79.7    | 81.5    | 84.3    | 87.1    | 90.0    | 91.1        | 92.9    | 93.4        | 93.7        | 94.2    | 94.2    |
| 00 200     | 79.7    | 81.5    | 84.3    | 87.1    | 90.1    | 91.7        | 93.4    | 94.5        | 95.1        | 95.2    | 95.2    |
| 00 100     | 73.7    | 81.5    | 84.3    | 87.1    | 90.1    | 91.7        | 93.4    | 94.7        | 95.2        | 95.1    | 95.1    |
| 00 000     | 79.7    | 81.5    | 84.3    | 87.1    | 90.1    | 91.7        | 93.4    | 94.7        | 95.2        | 95.1    | 95.1    |

TOTAL NUMBER OF OBSERVATIONS 900

UNIT 4: APR 4 DUES: 21-23

|       |   |       |       |   |     |     |     |     |     |   |
|-------|---|-------|-------|---|-----|-----|-----|-----|-----|---|
| 1 1/2 | 1 | 1 1/2 | 1 1/2 | 1 | 3/4 | 2/5 | 1/2 | 3/8 | 1/4 | 0 |
|-------|---|-------|-------|---|-----|-----|-----|-----|-----|---|

5

OPERATING LOCATION "AA"  
USAFPTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL  
AND VISIBILITY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PLEASANT AIR

PT I

LST ID MIC: + 5

MINI:

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | SE<br>6 | SE<br>5 | SE<br>4 | SE<br>3 | SE<br>2 1/2 | SE<br>2 | SE<br>1 1/2 | SE<br>1 1/4 | SE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 41.2    | 41.4    | 41.7    | 41.8    | 41.9    | 41.9        | 41.9    | 41.9        | 41.9        | 41.9    |
| GE 20000   | 46.7    | 46.9    | 47.0    | 47.1    | 47.2    | 47.2        | 47.2    | 47.2        | 47.2        | 47.2    |
| GE 18000   | 46.7    | 47.1    | 47.4    | 47.5    | 47.5    | 47.5        | 47.5    | 47.5        | 47.5        | 47.5    |
| GE 16000   | 46.7    | 47.1    | 47.4    | 47.5    | 47.5    | 47.5        | 47.5    | 47.5        | 47.5        | 47.5    |
| GE 14000   | 47.1    | 47.5    | 47.7    | 47.8    | 47.9    | 47.9        | 47.9    | 47.9        | 47.9        | 47.9    |
| GE 12000   | 48.3    | 48.7    | 49.0    | 49.1    | 49.2    | 49.2        | 49.2    | 49.2        | 49.2        | 49.2    |
| GE 10000   | 50.5    | 51.0    | 51.3    | 51.4    | 51.5    | 51.5        | 51.5    | 51.5        | 51.5        | 51.5    |
| GE 9200    | 51.2    | 51.5    | 52.0    | 52.1    | 52.2    | 52.2        | 52.2    | 52.2        | 52.2        | 52.2    |
| GE 8400    | 54.7    | 55.4    | 55.7    | 55.9    | 56.1    | 56.1        | 56.1    | 56.1        | 56.1        | 56.1    |
| GE 7600    | 57.5    | 57.2    | 57.5    | 57.7    | 57.8    | 57.8        | 57.8    | 57.8        | 57.8        | 57.8    |
| GE 6800    | 57.9    | 58.5    | 59.0    | 59.1    | 59.3    | 59.3        | 59.3    | 59.3        | 59.3        | 59.3    |
| GE 6000    | 61.1    | 61.8    | 62.4    | 62.5    | 62.6    | 62.6        | 62.6    | 62.6        | 62.6        | 62.6    |
| GE 5200    | 63.5    | 64.3    | 64.6    | 65.1    | 65.3    | 65.3        | 65.3    | 65.3        | 65.3        | 65.3    |
| GE 4400    | 65.8    | 66.5    | 67.3    | 67.5    | 67.6    | 67.6        | 67.6    | 67.6        | 67.6        | 67.6    |
| GE 3600    | 68.2    | 69.0    | 69.0    | 70.1    | 70.4    | 70.5        | 70.5    | 70.5        | 70.5        | 70.5    |
| GE 3000    | 70.3    | 71.8    | 72.7    | 73.1    | 73.4    | 73.5        | 73.5    | 73.5        | 73.5        | 73.5    |
| GE 2500    | 72.2    | 73.3    | 74.3    | 74.7    | 75.2    | 75.2        | 75.3    | 75.3        | 75.3        | 75.3    |
| GE 2000    | 73.5    | 74.7    | 75.9    | 76.4    | 76.9    | 76.9        | 77.0    | 77.0        | 77.0        | 77.1    |
| GE 1800    | 74.5    | 75.2    | 76.4    | 76.9    | 77.3    | 77.4        | 77.5    | 77.5        | 77.5        | 77.5    |
| GE 1600    | 75.4    | 76.7    | 77.2    | 78.5    | 79.1    | 79.2        | 79.3    | 79.3        | 79.3        | 79.3    |
| GE 1200    | 76.5    | 79.1    | 79.5    | 80.2    | 80.9    | 81.0        | 81.0    | 81.1        | 81.0        | 81.0    |
| GE 1000    | 77.0    | 79.3    | 80.9    | 81.3    | 82.5    | 82.7        | 82.8    | 83.0        | 83.1        | 83.1    |
| GE 900     | 78.4    | 79.7    | 81.5    | 82.4    | 83.4    | 83.5        | 83.5    | 83.5        | 84.0        | 84.1    |
| GE 800     | 79.2    | 80.7    | 82.7    | 83.5    | 84.7    | 85.0        | 85.3    | 85.4        | 85.5        | 85.7    |
| GE 700     | 79.4    | 81.1    | 83.1    | 84.3    | 85.5    | 85.8        | 86.2    | 86.7        | 86.2        | 87.0    |
| GE 600     | 79.9    | 81.5    | 83.8    | 85.5    | 87.2    | 87.9        | 88.2    | 88.8        | 89.0        | 89.0    |
| GE 500     | 80.2    | 82.0    | 84.5    | 85.4    | 88.4    | 89.3        | 89.1    | 90.0        | 91.3        | 91.5    |
| GE 400     | 82.5    | 82.5    | 85.3    | 87.4    | 89.9    | 91.0        | 92.2    | 93.4        | 93.9        | 94.5    |
| GE 300     | 82.5    | 82.5    | 85.5    | 87.6    | 90.4    | 91.5        | 93.2    | 94.5        | 95.2        | 95.4    |
| GE 200     | 82.5    | 82.5    | 85.5    | 87.7    | 90.5    | 92.0        | 92.4    | 92.1        | 95.3        | 95.5    |
| GE 100     | 82.5    | 82.5    | 85.5    | 87.7    | 90.5    | 92.0        | 93.4    | 95.2        | 95.9        | 96.0    |
| GE 000     | 82.5    | 82.5    | 85.5    | 87.7    | 90.5    | 92.0        | 93.4    | 95.2        | 95.9        | 96.0    |

TOTAL NUMBER OF OBSERVATIONS 7200

PERIOD OF RECORD: JUL 74 - JUN 75  
 MONTH: APR MONTHS: ALL

|       |   |       |       |   |     |     |     |     |     |   |   |
|-------|---|-------|-------|---|-----|-----|-----|-----|-----|---|---|
| 5     | 3 | 3     | 6     | 6 | 3   | 3   | 3   | 3   | 3   | 6 | 6 |
| 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 2/3 | 1/4 | 3 | 3 |







MONTH: MAY 1975: 00-00

|     |   |       |       |     |     |     |     |     |     |     |
|-----|---|-------|-------|-----|-----|-----|-----|-----|-----|-----|
| 1/2 | 1 | 1 1/2 | 1 1/4 | 5/4 | 3/4 | 5/8 | 3/4 | 1/2 | 1/4 | 1/2 |
|-----|---|-------|-------|-----|-----|-----|-----|-----|-----|-----|

1 - 2 - 37

OPERATING LOCATION "A"  
JSAFETAS, ADMIRALTY IS.

PERCENTAGE EFFICIENCY OF OBSERVATIONS  
FROM 0001 LT TO 0000 LT

STATION NUMBER: 725355

STATION NAME: DEAG- APR 64

EST. TIME: + 5

DATE:

TIME:

CEILING

VISIBILITY IN STATION FILE

| IN<br>FEET | 0<br>7 | 1<br>8 | 2<br>9 | 3<br>0 | 4<br>1 | 5<br>2 | 6<br>3 | 7<br>4 | 8<br>5 | 9<br>6 | 10<br>7 |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| NO CEIL    | 42.0   | 44.0   | 45.1   | 45.0   | 45.7   | 46.9   | 47.0   | 47.0   | 47.0   | 47.0   | 47.0    |
| GE 20000   | 47.1   | 48.3   | 49.7   | 50.3   | 51.5   | 51.7   | 52.0   | 52.0   | 52.0   | 52.0   | 52.0    |
| GE 18000   | 47.3   | 47.9   | 49.3   | 50.0   | 51.7   | 51.9   | 52.3   | 52.3   | 52.3   | 52.3   | 52.3    |
| GE 16000   | 47.3   | 47.5   | 49.3   | 50.3   | 51.7   | 51.7   | 52.3   | 52.3   | 52.3   | 52.3   | 52.3    |
| GE 14000   | 47.5   | 47.5   | 50.2   | 50.3   | 52.0   | 52.3   | 52.3   | 52.3   | 52.3   | 52.3   | 52.3    |
| GE 12000   | 48.4   | 49.5   | 51.0   | 51.0   | 52.0   | 53.0   | 53.3   | 53.3   | 53.3   | 53.3   | 53.3    |
| GE 10000   | 51.3   | 52.5   | 53.9   | 54.5   | 55.8   | 56.0   | 56.3   | 56.3   | 56.3   | 56.3   | 56.3    |
| GE 9000    | 51.7   | 52.0   | 54.3   | 54.0   | 55.2   | 55.5   | 55.5   | 55.5   | 55.5   | 55.5   | 55.5    |
| GE 8000    | 55.1   | 57.3   | 58.5   | 59.5   | 59.9   | 61.1   | 61.5   | 61.5   | 61.5   | 61.5   | 61.5    |
| GE 7000    | 62.1   | 62.2   | 60.0   | 61.5   | 62.5   | 63.0   | 63.4   | 63.4   | 63.4   | 63.4   | 63.4    |
| GE 6000    | 64.7   | 69.3   | 61.4   | 62.0   | 63.6   | 63.7   | 64.1   | 64.1   | 64.1   | 64.1   | 64.1    |
| GE 5000    | 61.3   | 63.1   | 64.7   | 65.0   | 65.5   | 67.0   | 67.5   | 67.5   | 67.5   | 67.5   | 67.5    |
| GE 4500    | 63.1   | 64.5   | 65.1   | 65.9   | 66.2   | 67.5   | 67.5   | 67.5   | 67.5   | 67.5   | 67.5    |
| GE 4000    | 64.0   | 65.7   | 65.5   | 67.0   | 70.3   | 71.0   | 71.5   | 71.7   | 71.5   | 71.5   | 71.5    |
| GE 3500    | 67.2   | 67.7   | 70.0   | 71.0   | 72.0   | 73.2   | 73.7   | 73.5   | 74.0   | 74.0   | 74.0    |
| GE 3000    | 68.0   | 70.3   | 72.5   | 73.5   | 74.3   | 75.3   | 75.7   | 75.5   | 75.1   | 75.1   | 75.1    |
| GE 2500    | 68.0   | 71.5   | 73.3   | 74.4   | 75.2   | 75.2   | 75.7   | 75.5   | 77.1   | 77.1   | 77.1    |
| GE 2000    | 70.0   | 71.0   | 73.0   | 74.0   | 75.5   | 76.5   | 77.1   | 77.3   | 77.3   | 77.3   | 77.3    |
| GE 1800    | 70.0   | 72.0   | 73.0   | 74.0   | 75.5   | 76.0   | 77.3   | 77.4   | 77.4   | 77.4   | 77.4    |
| GE 1600    | 70.0   | 72.0   | 74.4   | 75.0   | 77.1   | 77.4   | 77.5   | 77.5   | 77.5   | 77.5   | 77.5    |
| GE 1400    | 71.5   | 72.2   | 75.1   | 75.2   | 77.0   | 77.3   | 77.7   | 77.0   | 79.1   | 79.1   | 79.1    |
| GE 1200    | 72.2   | 73.4   | 75.7   | 75.0   | 77.7   | 77.0   | 77.5   | 77.3   | 79.0   | 79.0   | 79.0    |
| GE 1000    | 72.5   | 75.3   | 75.1   | 77.5   | 77.1   | 77.5   | 77.0   | 77.0   | 77.3   | 77.3   | 77.3    |
| GE 800     | 72.5   | 75.3   | 75.3   | 77.0   | 77.4   | 77.7   | 77.1   | 77.2   | 77.5   | 77.5   | 77.5    |
| GE 700     | 73.5   | 74.7   | 75.7   | 77.1   | 77.0   | 77.3   | 77.0   | 77.0   | 77.1   | 77.1   | 77.1    |
| GE 600     | 73.0   | 75.5   | 77.0   | 77.0   | 77.0   | 77.0   | 77.0   | 77.0   | 77.0   | 77.0   | 77.0    |
| GE 500     | 74.1   | 75.7   | 75.0   | 80.0   | 82.5   | 82.4   | 83.3   | 84.2   | 84.7   | 84.7   | 84.7    |
| GE 400     | 74.1   | 75.0   | 75.0   | 80.2   | 83.4   | 83.0   | 85.5   | 85.3   | 85.5   | 85.5   | 85.5    |
| GE 300     | 74.1   | 75.0   | 75.1   | 81.3   | 85.5   | 85.2   | 87.0   | 87.0   | 87.0   | 87.0   | 87.0    |
| GE 200     | 74.1   | 75.0   | 77.1   | 81.3   | 85.7   | 85.5   | 85.6   | 88.1   | 88.1   | 88.1   | 88.1    |
| GE 100     | 74.1   | 75.0   | 78.1   | 81.3   | 85.7   | 85.5   | 85.6   | 88.1   | 88.1   | 88.1   | 88.1    |
| GE 000     | 74.1   | 75.0   | 75.1   | 81.3   | 85.7   | 85.5   | 85.6   | 88.1   | 88.1   | 88.1   | 88.1    |

TOTAL NUM OF OBSERVATIONS 930

1 - 2 - 3

A

# EFFICIENCY OF ACCURACY OF DILING VERSUS VISIBILITY FROM AIRCRAFT OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 82  
 MONTH: MAY - JUNE: 83-85

| VISIBILITY IN STATUTE MILES |      |       |      |      |       |       |       |       |       |       |
|-----------------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|
| 1/2                         | 1    | 1 1/2 | 2    | 3    | 4     | 5     | 6     | 7     | 8     | 9     |
| 47.0                        | 47.1 | 47.2  | 47.3 | 47.4 | 47.5  | 47.6  | 47.7  | 47.7  | 47.7  | 47.7  |
| 47.8                        | 47.9 | 48.0  | 48.1 | 48.2 | 48.3  | 48.4  | 48.5  | 48.6  | 48.7  | 48.8  |
| 48.9                        | 49.0 | 49.1  | 49.2 | 49.3 | 49.4  | 49.5  | 49.6  | 49.7  | 49.8  | 49.9  |
| 50.0                        | 50.1 | 50.2  | 50.3 | 50.4 | 50.5  | 50.6  | 50.7  | 50.8  | 50.9  | 51.0  |
| 51.1                        | 51.2 | 51.3  | 51.4 | 51.5 | 51.6  | 51.7  | 51.8  | 51.9  | 52.0  | 52.1  |
| 52.2                        | 52.3 | 52.4  | 52.5 | 52.6 | 52.7  | 52.8  | 52.9  | 53.0  | 53.1  | 53.2  |
| 53.3                        | 53.4 | 53.5  | 53.6 | 53.7 | 53.8  | 53.9  | 54.0  | 54.1  | 54.2  | 54.3  |
| 54.4                        | 54.5 | 54.6  | 54.7 | 54.8 | 54.9  | 55.0  | 55.1  | 55.2  | 55.3  | 55.4  |
| 55.5                        | 55.6 | 55.7  | 55.8 | 55.9 | 56.0  | 56.1  | 56.2  | 56.3  | 56.4  | 56.5  |
| 56.6                        | 56.7 | 56.8  | 56.9 | 57.0 | 57.1  | 57.2  | 57.3  | 57.4  | 57.5  | 57.6  |
| 57.7                        | 57.8 | 57.9  | 58.0 | 58.1 | 58.2  | 58.3  | 58.4  | 58.5  | 58.6  | 58.7  |
| 58.8                        | 58.9 | 59.0  | 59.1 | 59.2 | 59.3  | 59.4  | 59.5  | 59.6  | 59.7  | 59.8  |
| 59.9                        | 60.0 | 60.1  | 60.2 | 60.3 | 60.4  | 60.5  | 60.6  | 60.7  | 60.8  | 60.9  |
| 61.0                        | 61.1 | 61.2  | 61.3 | 61.4 | 61.5  | 61.6  | 61.7  | 61.8  | 61.9  | 62.0  |
| 62.1                        | 62.2 | 62.3  | 62.4 | 62.5 | 62.6  | 62.7  | 62.8  | 62.9  | 63.0  | 63.1  |
| 63.2                        | 63.3 | 63.4  | 63.5 | 63.6 | 63.7  | 63.8  | 63.9  | 64.0  | 64.1  | 64.2  |
| 64.3                        | 64.4 | 64.5  | 64.6 | 64.7 | 64.8  | 64.9  | 65.0  | 65.1  | 65.2  | 65.3  |
| 65.4                        | 65.5 | 65.6  | 65.7 | 65.8 | 65.9  | 66.0  | 66.1  | 66.2  | 66.3  | 66.4  |
| 66.5                        | 66.6 | 66.7  | 66.8 | 66.9 | 67.0  | 67.1  | 67.2  | 67.3  | 67.4  | 67.5  |
| 67.6                        | 67.7 | 67.8  | 67.9 | 68.0 | 68.1  | 68.2  | 68.3  | 68.4  | 68.5  | 68.6  |
| 68.7                        | 68.8 | 68.9  | 69.0 | 69.1 | 69.2  | 69.3  | 69.4  | 69.5  | 69.6  | 69.7  |
| 69.8                        | 69.9 | 70.0  | 70.1 | 70.2 | 70.3  | 70.4  | 70.5  | 70.6  | 70.7  | 70.8  |
| 70.9                        | 71.0 | 71.1  | 71.2 | 71.3 | 71.4  | 71.5  | 71.6  | 71.7  | 71.8  | 71.9  |
| 72.0                        | 72.1 | 72.2  | 72.3 | 72.4 | 72.5  | 72.6  | 72.7  | 72.8  | 72.9  | 73.0  |
| 73.1                        | 73.2 | 73.3  | 73.4 | 73.5 | 73.6  | 73.7  | 73.8  | 73.9  | 74.0  | 74.1  |
| 74.2                        | 74.3 | 74.4  | 74.5 | 74.6 | 74.7  | 74.8  | 74.9  | 75.0  | 75.1  | 75.2  |
| 75.3                        | 75.4 | 75.5  | 75.6 | 75.7 | 75.8  | 75.9  | 76.0  | 76.1  | 76.2  | 76.3  |
| 76.4                        | 76.5 | 76.6  | 76.7 | 76.8 | 76.9  | 77.0  | 77.1  | 77.2  | 77.3  | 77.4  |
| 77.5                        | 77.6 | 77.7  | 77.8 | 77.9 | 78.0  | 78.1  | 78.2  | 78.3  | 78.4  | 78.5  |
| 78.6                        | 78.7 | 78.8  | 78.9 | 79.0 | 79.1  | 79.2  | 79.3  | 79.4  | 79.5  | 79.6  |
| 79.7                        | 79.8 | 79.9  | 80.0 | 80.1 | 80.2  | 80.3  | 80.4  | 80.5  | 80.6  | 80.7  |
| 80.8                        | 80.9 | 81.0  | 81.1 | 81.2 | 81.3  | 81.4  | 81.5  | 81.6  | 81.7  | 81.8  |
| 81.9                        | 82.0 | 82.1  | 82.2 | 82.3 | 82.4  | 82.5  | 82.6  | 82.7  | 82.8  | 82.9  |
| 83.0                        | 83.1 | 83.2  | 83.3 | 83.4 | 83.5  | 83.6  | 83.7  | 83.8  | 83.9  | 84.0  |
| 84.1                        | 84.2 | 84.3  | 84.4 | 84.5 | 84.6  | 84.7  | 84.8  | 84.9  | 85.0  | 85.1  |
| 85.2                        | 85.3 | 85.4  | 85.5 | 85.6 | 85.7  | 85.8  | 85.9  | 86.0  | 86.1  | 86.2  |
| 86.3                        | 86.4 | 86.5  | 86.6 | 86.7 | 86.8  | 86.9  | 87.0  | 87.1  | 87.2  | 87.3  |
| 87.4                        | 87.5 | 87.6  | 87.7 | 87.8 | 87.9  | 88.0  | 88.1  | 88.2  | 88.3  | 88.4  |
| 88.5                        | 88.6 | 88.7  | 88.8 | 88.9 | 89.0  | 89.1  | 89.2  | 89.3  | 89.4  | 89.5  |
| 89.6                        | 89.7 | 89.8  | 89.9 | 90.0 | 90.1  | 90.2  | 90.3  | 90.4  | 90.5  | 90.6  |
| 90.7                        | 90.8 | 90.9  | 91.0 | 91.1 | 91.2  | 91.3  | 91.4  | 91.5  | 91.6  | 91.7  |
| 91.8                        | 91.9 | 92.0  | 92.1 | 92.2 | 92.3  | 92.4  | 92.5  | 92.6  | 92.7  | 92.8  |
| 92.9                        | 93.0 | 93.1  | 93.2 | 93.3 | 93.4  | 93.5  | 93.6  | 93.7  | 93.8  | 93.9  |
| 94.0                        | 94.1 | 94.2  | 94.3 | 94.4 | 94.5  | 94.6  | 94.7  | 94.8  | 94.9  | 95.0  |
| 95.1                        | 95.2 | 95.3  | 95.4 | 95.5 | 95.6  | 95.7  | 95.8  | 95.9  | 96.0  | 96.1  |
| 96.2                        | 96.3 | 96.4  | 96.5 | 96.6 | 96.7  | 96.8  | 96.9  | 97.0  | 97.1  | 97.2  |
| 97.3                        | 97.4 | 97.5  | 97.6 | 97.7 | 97.8  | 97.9  | 98.0  | 98.1  | 98.2  | 98.3  |
| 98.4                        | 98.5 | 98.6  | 98.7 | 98.8 | 98.9  | 99.0  | 99.1  | 99.2  | 99.3  | 99.4  |
| 99.5                        | 99.6 | 99.7  | 99.8 | 99.9 | 100.0 | 100.1 | 100.2 | 100.3 | 100.4 | 100.5 |



RELATIONSHIP OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 77 - JUN 78  
MONTH: MAY DAYS: 05-06

VISIBILITY IN STATUTE MILES

|       | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   | 1/2   |
| 44.5  | 44.5  | 44.5  | 44.5  | 44.5  | 44.5  | 44.5  | 44.5  | 44.5  | 44.5  | 44.5  |
| 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.4  | 51.4  |
| 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.7  | 51.7  |
| 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.7  | 51.7  |
| 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  |
| 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  |
| 58.3  | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  | 58.4  | 58.4  |
| 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.1  | 59.1  |
| 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 63.0  | 63.0  |
| 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.6  | 64.6  |
| 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.7  | 65.7  |
| 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.1  | 69.1  |
| 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.5  |
| 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.1  | 73.1  |
| 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.6  | 74.6  |
| 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.5  | 77.5  |
| 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.3  | 78.3  |
| 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.1  | 79.1  |
| 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.4  | 79.4  |
| 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.7  | 79.8  | 79.8  |
| 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.3  | 80.3  |
| 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.2  | 81.2  |
| 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.2  | 82.2  |
| 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.8  | 82.8  |
| 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.2  | 84.2  |
| 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.5  | 85.5  |
| 87.1  | 87.1  | 87.1  | 87.1  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.3  | 87.3  |
| 89.7  | 89.7  | 89.7  | 89.7  | 89.7  | 89.8  | 89.8  | 89.8  | 89.8  | 89.9  | 89.9  |
| 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.3  | 94.3  | 94.4  | 94.5  | 94.6  | 94.6  |
| 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.3  | 95.3  |
| 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.3  | 96.3  |
| 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  | 97.3  |
| 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"  
USAFETAC, ASH-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C.I.  
FROM 4000 TO 10000 OBSERVATIONS

STATION: 444 13: 725055

DISTANCE: 20450 - 20450

DATE: 12/1/68

REF TO: 010: + 5

TIME: 12:11:13

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 60<br>7 | 50<br>8 | 40<br>9 | 30<br>4 | 20<br>3 | 10<br>2 1/2 | 5<br>2 | 2 1/2<br>1 1/2 | 1 1/4<br>1 1/4 | 1<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|--------|----------------|----------------|--------|
| NO CIL     | 42.2    | 43.1    | 43.1    | 43.1    | 43.1    | 43.1        | 43.1   | 43.1           | 43.1           | 43.1   |
| GE 20000   | 50.9    | 51.2    | 51.2    | 51.2    | 51.2    | 51.2        | 51.2   | 51.2           | 51.2           | 51.2   |
| GE 18000   | 51.2    | 51.2    | 51.2    | 51.2    | 51.2    | 51.2        | 51.2   | 51.2           | 51.2           | 51.2   |
| GE 16000   | 51.2    | 51.2    | 51.2    | 51.2    | 51.2    | 51.2        | 51.2   | 51.2           | 51.2           | 51.2   |
| GE 14000   | 52.2    | 52.5    | 52.5    | 52.5    | 52.5    | 52.5        | 52.5   | 52.5           | 52.5           | 52.5   |
| GE 12000   | 53.5    | 54.1    | 54.1    | 54.1    | 54.1    | 54.1        | 54.1   | 54.1           | 54.1           | 54.1   |
| GE 10000   | 57.4    | 58.4    | 58.4    | 58.4    | 58.4    | 58.4        | 58.4   | 58.4           | 58.4           | 58.4   |
| GE 9000    | 59.6    | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1   | 59.1           | 59.1           | 59.1   |
| GE 8000    | 62.5    | 63.0    | 63.2    | 63.2    | 63.2    | 63.2        | 63.2   | 63.2           | 63.2           | 63.2   |
| GE 7000    | 63.2    | 64.1    | 64.2    | 64.2    | 64.2    | 64.2        | 64.2   | 64.2           | 64.2           | 64.2   |
| GE 6000    | 64.5    | 65.5    | 65.7    | 65.7    | 65.7    | 65.7        | 65.7   | 65.7           | 65.7           | 65.7   |
| GE 5000    | 67.6    | 68.3    | 68.3    | 68.3    | 68.3    | 68.3        | 68.3   | 68.3           | 68.3           | 68.3   |
| GE 4500    | 69.1    | 69.3    | 70.2    | 70.2    | 70.2    | 70.2        | 70.2   | 70.2           | 70.2           | 70.2   |
| GE 4000    | 71.4    | 71.9    | 72.5    | 72.5    | 72.5    | 72.7        | 72.7   | 72.7           | 72.7           | 72.7   |
| GE 3500    | 73.1    | 73.2    | 74.2    | 74.2    | 74.3    | 74.4        | 74.4   | 74.4           | 74.4           | 74.4   |
| GE 3000    | 75.4    | 75.3    | 75.3    | 75.3    | 75.9    | 77.2        | 77.2   | 77.2           | 77.2           | 77.2   |
| GE 2500    | 75.3    | 75.7    | 77.2    | 77.2    | 77.3    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 2000    | 77.2    | 77.2    | 77.2    | 77.2    | 77.0    | 77.1        | 77.1   | 77.1           | 77.1           | 77.1   |
| GE 1500    | 77.3    | 77.5    | 77.5    | 77.5    | 77.7    | 77.7        | 77.7   | 77.7           | 77.7           | 77.7   |
| GE 1000    | 77.4    | 77.5    | 77.4    | 77.4    | 77.5    | 77.5        | 77.5   | 77.5           | 77.5           | 77.5   |
| GE 1200    | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 1000    | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 900     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 800     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 700     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 600     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 500     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 400     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 300     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 200     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 100     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |
| GE 000     | 77.3    | 77.2    | 77.2    | 77.2    | 77.2    | 77.4        | 77.4   | 77.4           | 77.4           | 77.4   |

TOTAL NUMBER OF OBSERVATIONS 930

0 - 2 - 40

A

# BASE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 000000 PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: MAY HOURS: 02-11

.....  
VISIBILITY IN STATUTE MILES

|       | 1/2   | 3/4   | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 2/3   | 1/4   | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 43.1  | 43.1  | 43.1  | 43.1  | 43.1  | 43.1  | 43.1  | 43.1  | 43.1  | 43.1  | 43.1  | 43.1  |
| 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  |
| 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  |
| 51.9  | 51.9  | 51.9  | 51.9  | 51.9  | 51.9  | 51.9  | 51.9  | 51.9  | 51.9  | 51.9  | 51.9  |
| 52.5  | 52.5  | 52.5  | 52.5  | 52.5  | 52.5  | 52.5  | 52.5  | 52.5  | 52.5  | 52.5  | 52.5  |
| 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  |
| 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  |
| 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  |
| 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  |
| 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  |
| 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  |
| 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  |
| 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  |
| 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  |
| 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  |
| 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  | 77.4  |
| 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  |
| 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  |
| 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  |
| 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  |
| 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  |
| 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  |
| 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  |
| 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  |
| 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  |
| 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  |
| 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  | 91.3  |
| 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  |
| 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  |
| 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  |
| 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |



OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF COT.  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AND NH  
LOT TO HQ: + 5

PERIOD  
22113

CEILING

VISIBILITY IN STATION MILES

| IN<br>FEET | GE | GF | GE | GF | GE | GF    | GE | GF    | GE    | GF |
|------------|----|----|----|----|----|-------|----|-------|-------|----|
| 5500       | 7  | 6  | 5  | 4  | 3  | 2 1/2 | 2  | 1 1/2 | 1 1/4 | 1  |

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 43.2 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
|---------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 20000 | 51.7 | 51.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| GE 18000 | 52.4 | 52.5 | 52.5 | 52.5 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| GE 16000 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 14000 | 53.1 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| GE 12000 | 55.3 | 55.4 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 10000 | 56.5 | 56.7 | 56.7 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| GE 9000  | 57.5 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 8000  | 58.3 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 7000  | 59.3 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| GE 6000  | 55.1 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 5000 | 57.7 | 57.8 | 57.8 | 57.8 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 4500 | 70.1 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 4000 | 73.0 | 73.0 | 73.0 | 73.0 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 3500 | 75.7 | 75.8 | 75.8 | 75.8 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 3000 | 77.1 | 77.4 | 77.4 | 77.4 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 2500 | 81.4 | 81.4 | 81.4 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 2000 | 81.5 | 81.7 | 81.7 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 1800 | 81.5 | 82.0 | 82.1 | 83.2 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 1500 | 82.3 | 82.7 | 83.4 | 83.7 | 84.3 | 84.3 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 1200 | 82.5 | 83.0 | 84.0 | 84.5 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1000 | 83.2 | 83.4 | 85.1 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 900  | 84.0 | 84.5 | 85.3 | 85.5 | 85.7 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 800  | 85.4 | 85.2 | 87.2 | 87.7 | 88.4 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 700  | 85.7 | 85.8 | 88.5 | 88.5 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 600  | 85.2 | 87.4 | 89.5 | 89.5 | 91.3 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 |

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 500 | 85.7 | 88.3 | 89.5 | 91.7 | 93.0 | 93.4 | 94.3 | 94.4 | 94.4 | 94.4 |
| GE 400 | 86.7 | 88.5 | 91.4 | 92.3 | 94.5 | 95.5 | 95.3 | 95.7 | 97.0 | 97.0 |
| GE 300 | 86.7 | 88.7 | 91.3 | 93.5 | 95.4 | 95.5 | 97.6 | 98.3 | 98.3 | 98.3 |
| GE 200 | 86.7 | 88.7 | 91.3 | 93.5 | 95.5 | 95.7 | 97.2 | 98.7 | 98.9 | 98.7 |
| GE 100 | 86.7 | 88.7 | 91.3 | 93.5 | 95.5 | 95.7 | 97.2 | 98.7 | 98.9 | 98.7 |

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 000 | 86.7 | 88.7 | 91.3 | 93.5 | 95.5 | 95.7 | 97.2 | 98.7 | 98.9 | 98.7 |
|--------|------|------|------|------|------|------|------|------|------|------|

TOTAL NUMBER OF OBSERVATIONS 930

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

MONTH: MAY HOURS: 12-14

|     |    |       |       |    |     |     |     |     |     |    |    |
|-----|----|-------|-------|----|-----|-----|-----|-----|-----|----|----|
| 5F  | 6F | 6F    | 6F    | 6F | 6F  | 6F  | 6F  | 6F  | 6F  | 6F | 6F |
| 1/2 | 1  | 1 1/2 | 1 1/4 | 1  | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 0  | 0  |

7 - 2 - 41

OPERATING LOCATION: MAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL.  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AREA NM

PERIOD:

LT TO UTC: + 5

ADDITION:

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | SE<br>8 | SE<br>9 | SE<br>10 | SE<br>11 | SE<br>12 | SE<br>13 | SE<br>14 | SE<br>15 | SE<br>16 | SE<br>17 |
|------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
|------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| GE 20000 | 40.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| GE 18000 | 51.7 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 16000 | 51.6 | 51.4 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 14000 | 51.6 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 12000 | 54.2 | 54.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| GE 10000 | 53.2 | 53.2 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 9000  | 53.1 | 53.1 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| GE 8000  | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| GE 7000  | 55.2 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 6000  | 55.2 | 55.5 | 55.5 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| GE 5000  | 59.4 | 70.2 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 4500  | 72.3 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 4000  | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 3500  | 77.7 | 77.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 3000  | 79.9 | 79.5 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 2500  | 80.1 | 80.5 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 2000  | 80.6 | 81.2 | 82.0 | 82.2 | 82.3 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 1800  | 82.4 | 81.3 | 82.2 | 82.3 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 1600  | 81.6 | 82.3 | 83.4 | 83.5 | 83.9 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 1400  | 82.5 | 83.1 | 84.5 | 84.4 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 1200  | 83.4 | 84.1 | 85.5 | 85.1 | 85.6 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 1000  | 83.9 | 84.5 | 85.3 | 85.5 | 87.3 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 900   | 84.1 | 85.5 | 87.5 | 85.7 | 85.8 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 800   | 84.4 | 85.2 | 87.4 | 87.9 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 700   | 85.7 | 85.1 | 89.1 | 89.7 | 89.9 | 91.0 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 600   | 86.1 | 87.3 | 89.9 | 91.0 | 92.0 | 92.4 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 500   | 85.3 | 87.5 | 89.4 | 91.7 | 93.4 | 93.9 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 400   | 86.3 | 87.6 | 90.4 | 91.7 | 94.0 | 94.4 | 95.5 | 97.0 | 97.0 | 97.0 | 97.4 |
| GE 300   | 85.3 | 87.5 | 90.4 | 91.2 | 94.1 | 94.5 | 95.7 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 200   | 85.3 | 87.5 | 90.4 | 91.2 | 94.1 | 94.5 | 95.7 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 100   | 85.3 | 87.5 | 90.4 | 91.2 | 94.1 | 94.5 | 95.7 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 000   | 85.3 | 87.5 | 90.4 | 91.2 | 94.1 | 94.5 | 95.7 | 97.3 | 97.3 | 97.3 | 97.3 |

TOTAL NUMBER OF OBSERVATIONS 930

100

MONTH: MAY HOURS: 15-17

|     |   |       |       |   |     |     |     |     |     |    |    |
|-----|---|-------|-------|---|-----|-----|-----|-----|-----|----|----|
| 1   | 2 | 3     | 4     | 5 | 6   | 7   | 8   | 9   | 10  | 11 | 12 |
| 1/2 | 1 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/5 | 1/4 | 9  |    |

|      |      |      |      |      |      |      |      |      |       |       |
|------|------|------|------|------|------|------|------|------|-------|-------|
| 96.5 | 96.7 | 97.3 | 97.3 | 98.1 | 99.0 | 97.1 | 99.4 | 97.9 | 100.0 | 100.0 |
|------|------|------|------|------|------|------|------|------|-------|-------|

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHILL  
WITH RELATIVE HUMIDITY

STATION NUMBER: 725055

STATION NAME: DEAS AFB NH

4-17-70

LST TO UTC: + 5

UNIT: %

CHILLING

VISIBILITY IN STATUTE MILES

IN  
FEET

GE  
7

GE  
5

GE  
3

GE  
4

GE  
3

GE  
2 1/2

GE  
2

GE  
1 1/2

GE  
1 1/4

GE  
1

NO CHILL 34.1 35.3 33.3 34.4 33.4 35.4 34.4 34.4 34.4 34.4 34.4

GE 20000 45.1 45.3 45.3 45.5 45.5 45.5 45.5 45.5 45.5 45.5

GE 18000 47.5 47.5 47.5 47.7 47.7 47.7 47.7 47.7 47.7 47.7

GE 16000 47.5 47.5 47.5 47.7 47.7 47.7 47.7 47.7 47.7 47.7

GE 14000 49.5 49.5 49.5 49.7 49.7 49.7 49.7 49.7 49.7 49.7

GE 12000 51.1 51.1 51.1 51.3 51.3 51.3 51.3 51.3 51.3 51.3

GE 10000 54.4 54.7 54.7 55.1 55.1 55.1 55.1 55.1 55.1 55.1

GE 9000 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7

GE 8000 58.4 58.4 58.4 58.4 58.4 58.4 58.4 58.4 58.4 58.4

GE 7000 61.1 61.1 61.1 61.4 61.4 61.4 61.4 61.4 61.4 61.4

GE 6000 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2 63.2

GE 5000 65.4 65.4 65.4 65.4 65.4 65.4 65.4 65.4 65.4 65.4

GE 4000 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4 67.4

GE 3500 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5

GE 3000 73.1 73.1 73.1 73.1 73.1 73.1 73.1 73.1 73.1 73.1

GE 2500 75.1 75.1 75.1 75.1 75.1 75.1 75.1 75.1 75.1 75.1

GE 2000 77.5 77.5 77.5 77.5 77.5 77.5 77.5 77.5 77.5 77.5

GE 1800 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2 79.2

GE 1600 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2 80.2

GE 1400 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5 81.5

GE 1200 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5

GE 1000 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84.4

GE 900 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3 85.3

GE 800 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7 86.7

GE 700 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7 87.7

GE 600 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5 89.5

GE 500 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3 90.3

GE 400 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1 91.1

GE 300 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7

GE 200 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4

GE 100 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4 92.4

GE 000 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7 93.7

GE 000 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2

GE 000 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5 94.5

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

GE 000 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3 95.3

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION NAME  
USARFAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLIM  
FROM 4000-4300 HOURS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH

PERIOD

EST TIME: + 5

DATE: 0

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>9 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 45.2 | 45.5 | 45.9 | 47.0 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
|---------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 20000 | 50.1 | 50.4 | 51.0 | 51.1 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 18000 | 50.2 | 50.9 | 51.4 | 51.5 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 16000 | 50.5 | 51.0 | 51.5 | 51.5 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 14000 | 52.1 | 51.2 | 51.7 | 51.8 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 12000 | 51.9 | 52.4 | 52.9 | 53.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 10000 | 51.5 | 52.0 | 52.7 | 52.8 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
|----------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 9000 | 55.1 | 55.5 | 57.2 | 57.4 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 8000 | 51.2 | 51.5 | 51.8 | 52.5 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 7000 | 52.2 | 52.2 | 53.5 | 54.1 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 6000 | 54.4 | 54.9 | 55.5 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 5000 | 57.2 | 57.4 | 58.1 | 58.4 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 4500 | 59.7 | 70.2 | 71.0 | 71.5 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 4000 | 72.2 | 72.5 | 73.8 | 74.1 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 3500 | 74.3 | 75.5 | 75.7 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 3000 | 75.9 | 75.5 | 77.4 | 78.1 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 2500 | 77.2 | 77.7 | 78.7 | 79.4 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 2000 | 77.5 | 78.3 | 79.2 | 79.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1500 | 77.5 | 78.4 | 79.6 | 80.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1200 | 77.2 | 78.9 | 80.0 | 81.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1000 | 77.1 | 78.9 | 80.1 | 81.3 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 900 | 78.1 | 79.2 | 80.4 | 81.7 | 82.9 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 800 | 73.7 | 79.8 | 81.5 | 82.9 | 84.1 | 84.2 | 84.2 | 84.4 | 84.4 | 84.4 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 700 | 77.5 | 80.6 | 82.5 | 84.0 | 85.2 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 600 | 80.2 | 81.5 | 83.9 | 85.4 | 85.9 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 500 | 80.2 | 81.5 | 83.9 | 85.3 | 87.3 | 87.4 | 87.5 | 87.8 | 87.8 | 87.8 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 400 | 80.4 | 82.2 | 84.0 | 87.0 | 88.5 | 89.0 | 89.4 | 89.6 | 89.6 | 89.6 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 300 | 80.4 | 82.2 | 85.1 | 87.3 | 89.3 | 90.2 | 91.5 | 92.4 | 92.5 | 92.5 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 200 | 80.4 | 82.2 | 85.3 | 87.7 | 90.2 | 90.9 | 92.0 | 93.4 | 94.3 | 94.3 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 100 | 80.4 | 82.2 | 85.3 | 87.7 | 90.2 | 90.3 | 92.0 | 93.5 | 94.7 | 95.3 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 000 | 80.4 | 82.2 | 85.3 | 87.7 | 90.2 | 90.3 | 92.0 | 93.5 | 94.5 | 95.3 |
|--------|------|------|------|------|------|------|------|------|------|------|

TOTAL NUMBER OF OBSERVATIONS 930

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: PERIOD OF RECORD: JUL 77 - JUL 78  
MONTH: MAY HOURS: 21-23

## CEILING IN STATUTE FEET

| 1/2   | 1     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/5   | 1/4   | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  | 47.3  |
| 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  | 51.4  |
| 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  |
| 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  |
| 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  |
| 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  |
| 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  |
| 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  |
| 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  |
| 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  |
| 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  |
| 68.7  | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  | 68.7  |
| 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  |
| 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  |
| 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  |
| 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  |
| 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  |
| 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  |
| 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  |
| 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  |
| 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  |
| 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  |
| 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  |
| 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  |
| 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  |
| 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  |
| 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  |
| 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  |
| 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  |
| 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  |
| 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  |
| 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  |
| 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  |
| 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  | 97.4  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |



OPERATING LOCATION "A"  
USAFETAC, ASHTVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF 0 IN  
VISIBILITY OBSERVATIONS

STATION NUMBER: 70005

STATION NAME: PEASE, ATG, NC

DATE:

LSI ID NO: + 5

PERIOD:

CEILING

VISIBILITY IN STATUT. MILES

| IN<br>FEET | 30<br>7 | 35<br>8 | 40<br>9 | 45<br>4 | 50<br>3 | 55<br>1 1/2 | 60<br>2 | 65<br>1 1/2 | 70<br>1 1/2 | 75<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| 00 CEIL    | 43.3    | 43.8    | 44.2    | 44.1    | 44.4    | 44.4        | 44.4    | 44.7        | 44.         | 44.     |
| GE 20000   | 49.5    | 50.2    | 50.4    | 50.5    | 50.9    | 50.9        | 51.2    | 51.0        | 51.3        | 51.7    |
| GE 18000   | 50.2    | 50.7    | 51.1    | 51.3    | 51.5    | 51.5        | 51.7    | 51.7        | 51.7        | 51.7    |
| GE 16000   | 50.8    | 50.7    | 51.2    | 51.3    | 51.5    | 51.7        | 51.7    | 51.7        | 51.7        | 51.7    |
| GE 14000   | 50.7    | 51.1    | 51.5    | 51.7    | 52.1    | 52.1        | 52.2    | 52.2        | 52.2        | 52.2    |
| GE 12000   | 52.4    | 52.4    | 53.3    | 53.5    | 53.7    | 53.7        | 53.9    | 53.9        | 54.5        | 54.5    |
| GE 10000   | 55.1    | 55.5    | 57.1    | 57.2    | 57.4    | 57.5        | 57.7    | 57.7        | 57.7        | 57.7    |
| GE 9000    | 55.7    | 57.5    | 57.7    | 57.9    | 58.3    | 58.3        | 58.5    | 58.4        | 58.5        | 58.5    |
| GE 8000    | 51.0    | 51.7    | 52.1    | 52.3    | 52.7    | 52.7        | 52.5    | 52.         | 52.7        | 52.5    |
| GE 7000    | 52.5    | 53.1    | 53.7    | 53.9    | 54.3    | 54.4        | 54.4    | 54.4        | 54.5        | 54.5    |
| GE 6000    | 53.5    | 54.4    | 55.     | 55.2    | 55.5    | 55.5        | 55.7    | 55.7        | 55.         | 55.     |
| GE 5000    | 55.7    | 57.3    | 57.4    | 58.2    | 58.5    | 58.5        | 58.7    | 58.7        | 58.5        | 58.     |
| GE 4500    | 55.7    | 58.5    | 58.1    | 58.4    | 58.5    | 58.5        | 58.7    | 58.7        | 58.5        | 58.5    |
| GE 4000    | 71.2    | 72.7    | 72.4    | 73.2    | 73.5    | 73.7        | 73.7    | 73.7        | 73.5        | 73.5    |
| GE 3500    | 73.5    | 74.3    | 75.2    | 75.2    | 75.1    | 75.2        | 75.2    | 75.3        | 75.5        | 75.5    |
| GE 3000    | 75.2    | 75.1    | 77.1    | 77.6    | 78.1    | 78.2        | 78.4    | 78.4        | 78.4        | 78.4    |
| GE 2500    | 75.2    | 77.1    | 78.1    | 78.7    | 79.2    | 79.3        | 79.5    | 79.5        | 79.7        | 79.7    |
| GE 2000    | 75.3    | 77.2    | 78.3    | 79.5    | 80.1    | 80.2        | 80.3    | 80.4        | 80.5        | 80.5    |
| GE 1800    | 77.0    | 78.5    | 79.1    | 79.7    | 80.3    | 80.4        | 80.5    | 80.5        | 80.7        | 80.7    |
| GE 1600    | 77.4    | 78.6    | 79.5    | 80.2    | 80.9    | 81.0        | 81.1    | 81.2        | 81.3        | 81.3    |
| GE 1400    | 77.4    | 79.2    | 80.3    | 81.0    | 81.7    | 81.8        | 81.9    | 82.1        | 82.1        | 82.1    |
| GE 1200    | 78.5    | 79.7    | 81.1    | 81.4    | 82.4    | 82.9        | 83.5    | 83.1        | 83.1        | 83.2    |
| GE 1000    | 72.0    | 80.2    | 81.7    | 82.5    | 83.5    | 83.5        | 83.7    | 83.9        | 83.7        | 84.0    |
| GE 900     | 72.4    | 80.9    | 82.7    | 83.5    | 84.7    | 84.5        | 84.9    | 85.1        | 85.1        | 85.2    |
| GE 800     | 82.1    | 81.5    | 83.7    | 84.5    | 85.4    | 85.2        | 85.1    | 85.3        | 85.4        | 85.4    |
| GE 600     | 80.7    | 82.3    | 84.5    | 85.2    | 87.3    | 87.6        | 87.7    | 88.3        | 88.3        | 88.1    |
| GE 500     | 81.2    | 82.7    | 85.1    | 85.7    | 88.3    | 88.5        | 89.2    | 89.5        | 89.7        | 89.     |
| GE 400     | 81.1    | 82.9    | 85.7    | 87.4    | 89.4    | 89.5        | 90.7    | 91.4        | 91.5        | 91.7    |
| GE 300     | 81.1    | 83.0    | 85.9    | 86.0    | 90.5    | 91.4        | 92.5    | 93.7        | 94.2        | 94.7    |
| GE 200     | 81.1    | 82.0    | 85.2    | 88.1    | 90.3    | 91.7        | 92.9    | 94.5        | 95.1        | 95.1    |
| GE 100     | 81.1    | 83.5    | 85.2    | 88.1    | 90.3    | 91.7        | 92.9    | 94.5        | 95.2        | 95.3    |
| GE 000     | 81.1    | 83.0    | 85.2    | 88.1    | 90.3    | 91.7        | 92.9    | 94.5        | 95.2        | 95.3    |

TOTAL NUMBER OF OBSERVATIONS 7440

14TH: DAY HOURS: ALL

|       |    |       |       |    |     |     |     |     |     |    |
|-------|----|-------|-------|----|-----|-----|-----|-----|-----|----|
| 30    | 31 | 32    | 33    | 34 | 35  | 36  | 37  | 38  | 39  | 40 |
| 1 1/2 | 2  | 1 1/2 | 1 1/4 | 1  | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 0  |

B

OPERATING LOCATION: "A"  
USAFSAC, ANNEVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
STATION NUMBER: 720045 STATION NAME: PHASE 1  
ELEVATION: 4.5

STATION NUMBER: 720045

STATION NAME: PHASE 1

DATE: 10/1/71

ELEVATION: 4.5

ADDITIONAL

CEILING

VISIBILITY IN STATION AREA

| IN      | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|---------|------|------|------|------|------|------|------|------|------|------|
| FEET    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| 40-50   | 65.7 | 71.3 | 67.1 | 64.9 | 64.3 | 64.7 | 67.1 | 68.9 | 65.1 | 66.0 |
| 50-60   | 66.4 | 61.2 | 67.9 | 64.2 | 60.0 | 60.3 | 62.4 | 62.4 | 63.9 | 61.7 |
| 60-70   | 63.7 | 66.4 | 62.9 | 63.4 | 60.2 | 60.5 | 60.7 | 61.1 | 61.1 | 61.1 |
| 70-80   | 61.7 | 66.4 | 61.9 | 63.4 | 60.2 | 60.5 | 60.7 | 61.1 | 61.1 | 61.1 |
| 80-90   | 61.7 | 61.7 | 63.2 | 63.7 | 62.4 | 60.7 | 62.2 | 61.9 | 61.9 | 61.1 |
| 90-100  | 65.7 | 67.9 | 60.7 | 60.8 | 61.2 | 61.6 | 61.7 | 62.1 | 62.1 | 61.1 |
| 100-110 | 61.3 | 60.7 | 61.3 | 62.4 | 63.7 | 64.2 | 64.1 | 64.5 | 64.1 | 67.1 |
| 110-120 | 61.1 | 62.5 | 62.9 | 64.0 | 64.2 | 64.1 | 64.2 | 64.7 | 64.7 | 64.7 |
| 120-130 | 60.7 | 64.4 | 61.1 | 61.3 | 63.1 | 63.9 | 64.1 | 64.7 | 64.7 | 70.1 |
| 130-140 | 60.7 | 62.5 | 67.1 | 64.4 | 70.3 | 70.1 | 71.0 | 71.4 | 71.4 | 71.1 |
| 140-150 | 65.1 | 64.7 | 64.4 | 65.9 | 70.1 | 71.2 | 71.9 | 71.9 | 71.9 | 71.1 |
| 150-160 | 61.3 | 67.1 | 70.1 | 71.7 | 72.1 | 73.1 | 73.2 | 73.7 | 71.7 | 73.7 |
| 160-170 | 61.3 | 66.2 | 71.9 | 73.3 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 |
| 170-180 | 71.1 | 70.4 | 73.4 | 73.9 | 75.2 | 75.7 | 75.9 | 77.3 | 77.1 | 77.1 |
| 180-190 | 71.9 | 71.3 | 76.4 | 75.1 | 77.2 | 77.2 | 77.2 | 77.3 | 77.2 | 77.3 |
| 190-200 | 71.3 | 72.4 | 75.1 | 75.7 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 200-210 | 71.9 | 71.3 | 75.9 | 77.1 | 78.7 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| 210-220 | 71.9 | 73.4 | 75.2 | 77.4 | 79.3 | 80.4 | 80.7 | 81.1 | 81.1 | 81.1 |
| 220-230 | 72.7 | 72.7 | 75.4 | 76.1 | 80.2 | 80.7 | 80.4 | 81.2 | 81.2 | 81.1 |
| 230-240 | 72.1 | 74.2 | 77.1 | 75.4 | 80.3 | 81.4 | 81.7 | 82.1 | 82.1 | 82.1 |
| 240-250 | 74.7 | 75.1 | 73.1 | 79.2 | 81.1 | 82.4 | 83.7 | 83.1 | 83.9 | 83.9 |
| 250-260 | 74.8 | 75.2 | 74.9 | 80.5 | 82.7 | 83.3 | 83.3 | 84.1 | 84.1 | 84.1 |
| 260-270 | 74.7 | 75.9 | 79.2 | 80.9 | 83.0 | 83.7 | 84.2 | 84.4 | 84.4 | 84.4 |
| 270-280 | 74.1 | 75.7 | 80.4 | 82.1 | 84.3 | 85.9 | 86.2 | 86.7 | 86.7 | 86.7 |
| 280-290 | 75.3 | 77.1 | 80.9 | 82.7 | 85.2 | 86.2 | 86.1 | 86.7 | 86.7 | 86.7 |
| 290-300 | 75.1 | 77.5 | 81.2 | 83.1 | 85.1 | 86.9 | 87.1 | 87.9 | 87.9 | 87.9 |
| 300-310 | 76.1 | 77.7 | 81.9 | 83.7 | 87.0 | 87.8 | 88.1 | 88.2 | 88.1 | 88.1 |
| 310-320 | 75.1 | 77.7 | 82.9 | 84.1 | 88.3 | 89.3 | 89.2 | 89.8 | 89.8 | 89.8 |
| 320-330 | 75.2 | 77.8 | 82.2 | 84.5 | 89.1 | 90.4 | 91.5 | 93.1 | 93.4 | 93.1 |
| 330-340 | 76.2 | 77.2 | 82.4 | 84.3 | 89.5 | 91.0 | 91.1 | 94.1 | 94.5 | 94.1 |
| 340-350 | 75.2 | 77.9 | 82.2 | 84.8 | 89.5 | 91.0 | 93.1 | 94.1 | 94.7 | 94.2 |

TOTAL NUMBER OF OBSERVATIONS: 300

1 - 2 - 4

### RELATIONSHIP OF OCCURRENCE OF HAIRING VERSUS VISIBILITY FROM AIRBORNE OBSERVATIONS

20210101 RECORD: JUL 79 - JUN 80

MONTH: JUN HOURS: 20-22

ACTIVITY IN STATE FILES

[illegible]

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
AND VISIBILITY INFORMATION

STATION NUMBER: 726085

STATION NAME: PEASE AFB NH  
EST TO UTC: + 5

PERIOD:  
MONTH:

CEILING

VISIBILITY IN STATUTE MILES

| IN FEET | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 1/2 | GE 13 | GE 14 1/2 | GE 15 1/2 | GE 16 1/2 | GE 17 |
|---------|------|------|------|-------|-------|-----------|-------|-----------|-----------|-----------|-------|
|---------|------|------|------|-------|-------|-----------|-------|-----------|-----------|-----------|-------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 42.8 | 43.3 | 44.3 | 45.9 | 47.9 | 48.0 | 48.7 | 48.9 | 49.0 | 49.9 | 49.9 |
| GE 20000 | 47.1 | 48.0 | 49.1 | 51.5 | 53.8 | 53.9 | 54.7 | 55.3 | 55.8 | 55.8 | 55.8 |
| GE 17000 | 47.2 | 48.2 | 49.3 | 51.5 | 54.1 | 54.2 | 55.0 | 55.3 | 55.8 | 55.8 | 55.8 |
| GE 15000 | 47.4 | 48.3 | 49.4 | 51.9 | 54.1 | 54.3 | 55.1 | 55.4 | 55.7 | 55.7 | 55.7 |
| GE 14000 | 47.7 | 48.5 | 49.7 | 52.1 | 54.4 | 54.5 | 55.4 | 55.8 | 56.3 | 56.3 | 56.3 |
| GE 12000 | 49.3 | 50.2 | 51.5 | 53.1 | 55.1 | 54.2 | 57.1 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 10000 | 50.9 | 51.1 | 52.4 | 57.9 | 59.3 | 59.4 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 8000  | 52.3 | 52.5 | 53.8 | 55.3 | 59.9 | 61.0 | 61.9 | 62.3 | 62.8 | 62.8 | 62.8 |
| GE 6000  | 54.7 | 57.2 | 59.4 | 62.1 | 54.3 | 55.1 | 57.5 | 57.1 | 57.3 | 57.4 | 57.4 |
| GE 7200  | 57.2 | 58.4 | 61.1 | 53.2 | 58.4 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 6000  | 59.1 | 59.3 | 62.1 | 54.2 | 57.4 | 57.9 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 5000  | 61.2 | 62.6 | 64.3 | 57.1 | 70.1 | 70.4 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 4500  | 62.5 | 63.9 | 65.7 | 57.5 | 71.5 | 71.9 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 4000  | 63.2 | 65.3 | 67.2 | 70.1 | 73.2 | 73.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 3500  | 64.3 | 65.3 | 67.2 | 70.7 | 74.3 | 74.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 3000  | 65.1 | 65.5 | 66.7 | 71.7 | 74.3 | 75.3 | 77.3 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 2500  | 66.2 | 67.4 | 69.5 | 72.7 | 75.7 | 76.3 | 77.3 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 2000  | 66.3 | 68.0 | 70.1 | 73.3 | 75.5 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 1800  | 66.3 | 68.0 | 70.1 | 73.3 | 75.5 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 1500  | 66.7 | 68.3 | 70.4 | 73.3 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 1200  | 67.7 | 69.3 | 71.4 | 75.0 | 73.4 | 73.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 1000  | 67.4 | 70.2 | 72.3 | 75.0 | 73.4 | 73.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 900   | 67.7 | 70.6 | 72.7 | 75.4 | 73.0 | 73.7 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 800   | 67.1 | 70.2 | 73.4 | 77.2 | 71.3 | 72.0 | 73.9 | 74.8 | 75.0 | 75.1 | 75.1 |
| GE 700   | 69.2 | 71.0 | 73.7 | 77.3 | 72.0 | 72.3 | 74.2 | 75.7 | 75.1 | 75.2 | 75.2 |
| GE 600   | 69.2 | 71.1 | 74.4 | 71.5 | 73.3 | 74.2 | 76.2 | 77.1 | 77.3 | 77.7 | 77.7 |
| GE 500   | 69.3 | 71.2 | 74.9 | 79.5 | 74.6 | 75.5 | 77.7 | 77.6 | 77.7 | 77.7 | 77.7 |
| GE 400   | 69.3 | 71.2 | 75.1 | 80.0 | 75.6 | 76.5 | 78.3 | 78.5 | 78.4 | 78.4 | 78.4 |
| GE 300   | 69.4 | 71.4 | 75.6 | 80.8 | 76.8 | 77.8 | 80.2 | 81.7 | 82.4 | 83.7 | 83.7 |
| GE 200   | 69.4 | 71.4 | 75.7 | 81.0 | 77.0 | 78.1 | 80.7 | 82.7 | 83.4 | 85.1 | 85.1 |
| GE 100   | 69.4 | 71.4 | 75.7 | 81.0 | 77.0 | 78.1 | 80.7 | 82.7 | 83.4 | 85.1 | 85.1 |
| GE 000   | 69.4 | 71.4 | 75.7 | 81.0 | 77.0 | 78.1 | 80.7 | 82.7 | 83.4 | 85.1 | 85.1 |

TOTAL NUMBER OF OBSERVATIONS 900

PERIOD OF RECORD: JUL 71 - JUN 72  
MONTH: JUN HOURS: 03-05

[illegible]

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726056

STATION NAME: PRASE AFB NH  
LST ID WTC: + 5

PERIOD  
MONTH:

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 30<br>7 | 35<br>8 | 40<br>9 | 45<br>10 | 50<br>11 | 55<br>12 | 60<br>13 | 65<br>14 | 70<br>15 | 75<br>16 | 80<br>17 | 85<br>18 | 90<br>19 | 95<br>20 | 100<br>21 |
|------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
|------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|

|         |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|---------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| NO CEIL | 44.7 | 45.2 | 47.5 | 48.3 | 49.3 | 49.9 | 50.1 | 50.2 | 50.3 | 50.4 |  |  |  |  |  |
|---------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|

|          |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|----------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| GE 20000 | 49.4 | 50.8 | 52.7 | 53.5 | 54.5 | 55.4 | 55.7 | 55.9 | 56.1 | 56.2 |  |  |  |  |  |
| GE 18000 | 49.9 | 51.2 | 53.1 | 54.0 | 55.1 | 56.0 | 56.2 | 56.3 | 56.4 | 56.5 |  |  |  |  |  |
| GE 16000 | 50.1 | 51.4 | 53.3 | 54.2 | 55.3 | 56.2 | 56.4 | 56.5 | 56.6 | 56.7 |  |  |  |  |  |
| GE 14000 | 50.2 | 51.5 | 53.4 | 54.3 | 55.4 | 56.3 | 56.5 | 56.6 | 56.7 | 56.8 |  |  |  |  |  |
| GE 12000 | 52.0 | 53.4 | 55.4 | 56.3 | 57.4 | 58.3 | 58.7 | 59.0 | 59.1 | 59.2 |  |  |  |  |  |

|          |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|----------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| GE 10000 | 54.7 | 55.4 | 56.7 | 59.7 | 60.0 | 61.7 | 62.1 | 62.4 | 62.5 | 62.7 |  |  |  |  |  |
| GE 9000  | 55.1 | 57.2 | 59.0 | 60.5 | 61.1 | 62.4 | 63.1 | 63.4 | 63.5 | 63.7 |  |  |  |  |  |
| GE 8000  | 57.2 | 61.3 | 63.3 | 64.9 | 65.1 | 67.3 | 67.8 | 68.1 | 68.2 | 68.4 |  |  |  |  |  |
| GE 7000  | 60.2 | 62.1 | 64.5 | 65.7 | 66.3 | 68.1 | 68.5 | 68.8 | 69.2 | 69.2 |  |  |  |  |  |
| GE 6000  | 60.9 | 63.3 | 65.0 | 67.0 | 68.2 | 69.4 | 69.9 | 70.2 | 70.3 | 70.5 |  |  |  |  |  |

|         |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|---------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| GE 5000 | 62.0 | 64.7 | 67.4 | 69.1 | 70.4 | 71.7 | 72.1 | 72.4 | 72.5 | 72.8 |  |  |  |  |  |
| GE 4500 | 62.5 | 65.3 | 68.1 | 69.9 | 71.2 | 72.4 | 72.5 | 73.2 | 73.5 | 73.6 |  |  |  |  |  |
| GE 4000 | 63.1 | 65.8 | 68.2 | 71.2 | 72.7 | 74.2 | 74.4 | 74.5 | 75.1 | 75.2 |  |  |  |  |  |
| GE 3500 | 64.5 | 67.3 | 70.2 | 72.2 | 73.7 | 75.0 | 75.4 | 75.5 | 76.1 | 76.2 |  |  |  |  |  |
| GE 3000 | 65.7 | 68.7 | 71.7 | 74.0 | 75.7 | 77.0 | 77.4 | 77.5 | 78.1 | 78.2 |  |  |  |  |  |

|         |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|---------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| GE 2500 | 68.1 | 71.1 | 72.1 | 74.5 | 75.3 | 77.7 | 78.1 | 78.4 | 78.5 | 78.7 |  |  |  |  |  |
| GE 2000 | 69.7 | 73.0 | 73.0 | 75.4 | 77.3 | 78.7 | 79.2 | 79.5 | 79.9 | 80.0 |  |  |  |  |  |
| GE 1800 | 67.2 | 70.2 | 73.3 | 75.3 | 77.7 | 79.2 | 79.5 | 79.9 | 80.2 | 80.3 |  |  |  |  |  |
| GE 1500 | 67.3 | 70.2 | 74.2 | 76.7 | 78.3 | 79.2 | 79.4 | 80.2 | 80.2 | 81.1 |  |  |  |  |  |
| GE 1200 | 68.0 | 72.0 | 75.2 | 78.1 | 80.0 | 81.3 | 82.0 | 82.4 | 82.5 | 83.1 |  |  |  |  |  |

|         |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|---------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| GE 1000 | 69.3 | 72.5 | 75.9 | 78.9 | 80.2 | 82.3 | 83.1 | 83.7 | 84.0 | 84.2 |  |  |  |  |  |
| GE 900  | 70.1 | 73.3 | 76.7 | 79.9 | 82.0 | 83.5 | 84.4 | 85.0 | 85.3 | 85.7 |  |  |  |  |  |
| GE 800  | 70.2 | 73.4 | 77.1 | 80.4 | 82.9 | 84.4 | 85.4 | 86.1 | 86.3 | 86.7 |  |  |  |  |  |
| GE 700  | 70.2 | 73.4 | 77.1 | 80.5 | 83.0 | 84.7 | 85.7 | 86.3 | 86.5 | 87.1 |  |  |  |  |  |
| GE 600  | 71.0 | 74.2 | 78.2 | 82.0 | 85.1 | 87.0 | 88.1 | 88.3 | 88.5 | 89.2 |  |  |  |  |  |

|        |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|--------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| GE 500 | 71.3 | 74.6 | 78.7 | 82.7 | 85.3 | 87.7 | 88.7 | 89.5 | 89.8 | 90.5 |  |  |  |  |  |
| GE 400 | 71.4 | 74.7 | 79.1 | 83.3 | 87.0 | 89.3 | 90.3 | 91.5 | 91.8 | 92.3 |  |  |  |  |  |
| GE 300 | 71.4 | 74.7 | 79.2 | 83.3 | 87.4 | 89.7 | 91.4 | 93.8 | 94.4 | 95.4 |  |  |  |  |  |
| GE 200 | 71.4 | 74.7 | 79.2 | 83.3 | 87.2 | 89.0 | 91.2 | 94.0 | 94.2 | 95.2 |  |  |  |  |  |
| GE 100 | 71.4 | 74.7 | 79.2 | 83.4 | 87.3 | 90.0 | 91.5 | 94.0 | 95.0 | 95.2 |  |  |  |  |  |

|        |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|--------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| GE 000 | 71.4 | 74.7 | 79.2 | 83.3 | 87.9 | 90.0 | 91.5 | 94.0 | 95.0 | 95.2 |  |  |  |  |  |
|--------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|

TOTAL NUMBER OF OBSERVATIONS 900

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: PERIOD OF RECORD: JUL 79 - JUL 89  
MONTH: JUN HOURS: 06-28

## CEILING IN STATUTE MILES

| 1/8  | 1/4  | 1/2  | 3/4  | 1    | 5/8  | 1 1/2 | 3/2  | 1 3/4 | 2     | 0 |
|------|------|------|------|------|------|-------|------|-------|-------|---|
| 50.1 | 50.3 | 50.3 | 50.4 | 50.4 | 50.4 | 50.5  | 50.5 | 50.7  | 50.8  |   |
| 56.7 | 56.9 | 56.1 | 56.2 | 56.3 | 56.3 | 56.4  | 56.4 | 56.5  | 56.7  |   |
| 56.2 | 56.6 | 56.7 | 56.3 | 56.3 | 56.9 | 57.0  | 57.0 | 57.1  | 57.2  |   |
| 56.4 | 56.8 | 56.9 | 57.0 | 57.1 | 57.1 | 57.2  | 57.2 | 57.3  | 57.4  |   |
| 56.5 | 56.9 | 57.0 | 57.1 | 57.2 | 57.2 | 57.3  | 57.3 | 57.4  | 57.5  |   |
| 56.7 | 59.0 | 59.1 | 59.2 | 59.3 | 59.3 | 59.4  | 59.4 | 59.5  | 59.7  |   |
| 62.1 | 62.4 | 62.5 | 62.7 | 62.8 | 62.8 | 62.9  | 62.9 | 63.0  | 63.1  |   |
| 63.1 | 63.4 | 63.5 | 63.7 | 63.8 | 63.8 | 63.9  | 63.9 | 64.0  | 64.1  |   |
| 67.4 | 68.1 | 68.2 | 68.4 | 68.5 | 68.5 | 68.7  | 68.7 | 68.8  | 68.9  |   |
| 68.5 | 68.9 | 69.0 | 69.2 | 69.3 | 69.3 | 69.4  | 69.4 | 69.5  | 69.7  |   |
| 69.7 | 70.2 | 70.3 | 70.5 | 70.6 | 70.7 | 70.8  | 70.8 | 70.9  | 71.0  |   |
| 72.1 | 72.4 | 72.5 | 72.8 | 72.9 | 72.9 | 73.0  | 73.0 | 73.1  | 73.2  |   |
| 73.5 | 73.2 | 73.3 | 73.8 | 74.0 | 74.0 | 74.1  | 74.1 | 74.2  | 74.3  |   |
| 74.4 | 74.6 | 75.1 | 75.3 | 75.5 | 75.5 | 75.7  | 75.7 | 75.8  | 75.9  |   |
| 75.4 | 75.5 | 75.1 | 75.3 | 75.5 | 75.5 | 75.7  | 75.7 | 75.8  | 76.0  |   |
| 77.4 | 77.7 | 78.1 | 78.3 | 78.5 | 78.5 | 78.7  | 78.7 | 78.8  | 78.9  |   |
| 79.1 | 79.4 | 79.7 | 79.1 | 79.3 | 79.3 | 79.4  | 79.4 | 79.6  | 79.7  |   |
| 79.2 | 79.5 | 79.9 | 80.2 | 80.4 | 80.4 | 80.5  | 80.5 | 80.7  | 80.7  |   |
| 79.5 | 79.9 | 80.2 | 80.5 | 80.5 | 80.5 | 80.8  | 80.8 | 81.0  | 81.1  |   |
| 82.4 | 82.2 | 81.1 | 81.4 | 81.7 | 81.7 | 81.8  | 81.8 | 81.9  | 82.0  |   |
| 82.5 | 82.4 | 82.7 | 83.1 | 83.3 | 83.3 | 83.4  | 83.4 | 83.5  | 83.7  |   |
| 83.1 | 83.7 | 84.0 | 84.2 | 84.5 | 84.5 | 84.7  | 84.7 | 84.8  | 84.9  |   |
| 85.4 | 85.0 | 85.3 | 85.7 | 85.9 | 85.9 | 86.0  | 86.0 | 86.1  | 86.2  |   |
| 86.4 | 86.2 | 86.3 | 86.7 | 86.9 | 86.9 | 87.0  | 87.0 | 87.1  | 87.2  |   |
| 86.5 | 86.3 | 86.7 | 87.1 | 87.3 | 87.3 | 87.4  | 87.4 | 87.5  | 87.7  |   |
| 88.1 | 88.4 | 89.2 | 89.7 | 89.9 | 89.9 | 90.0  | 90.0 | 90.1  | 90.2  |   |
| 90.7 | 90.5 | 90.9 | 90.5 | 90.6 | 90.6 | 90.9  | 90.9 | 91.0  | 91.2  |   |
| 90.5 | 91.5 | 92.3 | 93.0 | 93.4 | 93.4 | 93.7  | 93.8 | 93.9  | 94.0  |   |
| 91.4 | 93.4 | 94.4 | 95.4 | 95.1 | 95.3 | 95.3  | 95.9 | 97.1  | 97.2  |   |
| 91.5 | 94.0 | 95.0 | 95.2 | 97.0 | 97.2 | 98.2  | 98.4 | 98.2  | 98.2  |   |
| 91.5 | 94.3 | 95.0 | 95.2 | 97.1 | 97.3 | 98.4  | 98.0 | 98.4  | 98.9  |   |
| 91.5 | 94.0 | 95.0 | 95.2 | 97.1 | 97.3 | 98.4  | 98.0 | 98.5  | 100.0 |   |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH

PERIOD:

LST TO UTC: + 5

UNIT:

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 45.4 | 45.9 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| GE 2000 | 53.3 | 54.5 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| GE 1800 | 53.3 | 54.9 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| GE 1600 | 53.3 | 54.9 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| GE 1400 | 53.3 | 55.4 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| GE 1200 | 55.1 | 54.9 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| GE 1000 | 55.9 | 51.0 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| GE 900  | 59.3 | 51.7 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| GE 800  | 52.4 | 54.5 | 55.1 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| GE 700  | 52.3 | 55.1 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| GE 600  | 51.3 | 55.7 | 55.3 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| GE 500  | 54.1 | 55.5 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 450  | 55.9 | 55.2 | 59.1 | 59.5 | 70.0 | 70.0 | 70.1 | 70.1 | 70.3 | 70.3 |
| GE 400  | 60.4 | 71.0 | 72.2 | 72.9 | 73.4 | 73.5 | 73.7 | 73.7 | 74.0 | 74.1 |
| GE 350  | 59.7 | 71.3 | 73.9 | 74.3 | 75.3 | 75.5 | 75.5 | 75.5 | 75.3 | 75.3 |
| GE 300  | 71.4 | 74.2 | 75.9 | 77.0 | 77.7 | 78.0 | 78.4 | 78.4 | 78.0 | 78.1 |
| GE 250  | 72.1 | 74.9 | 75.5 | 77.7 | 73.4 | 75.9 | 72.2 | 73.2 | 74.5 | 74.1 |
| GE 200  | 72.7 | 75.5 | 77.2 | 78.3 | 73.1 | 79.6 | 80.0 | 80.1 | 80.7 | 80.7 |
| GE 150  | 73.1 | 75.0 | 77.7 | 78.5 | 73.5 | 80.0 | 80.4 | 80.5 | 81.1 | 81.1 |
| GE 100  | 73.4 | 75.7 | 75.5 | 77.7 | 80.4 | 80.9 | 81.3 | 81.7 | 82.2 | 82.2 |
| GE 120  | 75.5 | 75.4 | 80.4 | 81.5 | 82.3 | 82.9 | 83.7 | 84.0 | 84.5 | 84.5 |
| GE 100  | 75.3 | 77.4 | 81.4 | 82.5 | 83.5 | 84.2 | 85.1 | 85.4 | 85.9 | 85.9 |
| GE 900  | 75.3 | 80.2 | 82.2 | 83.6 | 84.5 | 85.2 | 85.1 | 85.4 | 87.0 | 87.0 |
| GE 800  | 77.4 | 81.0 | 83.0 | 84.4 | 85.7 | 86.4 | 87.4 | 87.5 | 88.3 | 88.4 |
| GE 700  | 72.1 | 81.3 | 84.2 | 85.0 | 87.7 | 88.0 | 88.5 | 89.2 | 89.3 | 89.3 |
| GE 600  | 74.9 | 82.7 | 85.3 | 87.3 | 90.0 | 91.1 | 92.1 | 92.5 | 93.3 | 93.4 |
| GE 500  | 79.0 | 82.9 | 85.5 | 87.7 | 90.4 | 91.7 | 93.4 | 94.2 | 95.0 | 95.1 |
| GE 400  | 79.0 | 83.0 | 85.2 | 88.2 | 91.3 | 92.9 | 94.3 | 95.0 | 95.7 | 97.2 |
| GE 300  | 79.0 | 83.1 | 85.0 | 88.3 | 91.6 | 93.2 | 95.7 | 97.2 | 98.1 | 98.1 |
| GE 200  | 79.0 | 83.1 | 85.0 | 88.3 | 91.5 | 93.2 | 95.7 | 97.3 | 98.2 | 98.3 |
| GE 100  | 79.0 | 83.1 | 85.0 | 88.3 | 91.5 | 93.2 | 95.7 | 97.3 | 98.2 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS 200

# 1. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 00000 PERIOD OF RECORD: JUL 74 - JUN 77  
MONTH: JUN HOURS: 09-11

.....  
VISIBILITY IN STATUTE MILES

.....  
1/2 2 1 1/2 1 1/4 1 3/4 5/8 1/2 3/4 1/4 0  
.....

7.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2 47.2

4.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2

2.2 55.2 55.2 55.2 55.2 55.2 55.2 55.2 55.2 55.2 55.2

0.2 55.2 55.2 55.2 55.2 55.2 55.2 55.2 55.2 55.2 55.2

7.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2

1.1 51.4 51.4 51.4 51.4 51.4 51.4 51.4 51.4 51.4 51.4

0.1 52.1 52.1 52.1 52.1 52.1 52.1 52.1 52.1 52.1 52.1

0.3 55.3 55.3 55.3 55.3 55.3 55.3 55.3 55.3 55.3 55.3

7.2 55.9 55.9 55.9 55.9 55.9 55.9 55.9 55.9 55.9 55.9

0.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7 55.7

6.2 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5 57.5

5.2 70.1 70.1 70.3 70.3 70.4 70.4 70.4 70.4 70.4 70.4

4.2 73.7 73.7 74.0 74.0 74.1 74.1 74.1 74.1 74.1 74.1

3.2 75.3 75.3 75.3 75.3 75.4 75.4 75.4 75.4 75.4 75.4

2.2 75.4 75.4 75.4 75.4 75.1 75.1 75.1 75.1 75.1 75.1

1.2 77.2 77.2 77.5 77.5 77.9 77.9 77.9 77.9 77.9 77.9

0.2 80.7 80.7 80.7 80.7 80.8 80.8 80.8 80.8 80.8 80.8

0.3 81.1 81.1 81.1 81.1 81.2 81.2 81.2 81.2 81.2 81.2

7.2 81.4 81.7 82.2 82.2 82.3 82.3 82.3 82.3 82.3 82.3

6.2 84.7 84.7 84.5 84.5 84.7 84.7 84.7 84.7 84.7 84.7

4.2 85.1 85.4 85.0 85.0 85.1 85.1 85.1 85.1 85.1 85.1

3.2 86.1 86.4 87.0 87.0 87.1 87.1 87.1 87.1 87.1 87.1

2.4 87.4 87.5 88.3 88.3 88.4 88.4 88.4 88.4 88.4 88.4

1.2 89.3 89.2 90.3 90.3 91.0 91.0 91.0 91.0 91.0 91.0

1.1 92.1 92.3 93.3 93.4 93.5 93.5 93.5 93.5 93.5 93.5

1.7 94.4 94.2 95.0 95.2 95.4 95.4 95.4 95.4 95.4 95.4

0.2 96.3 96.9 96.5 97.2 97.4 97.4 97.4 97.4 97.4 97.4

0.2 97.7 97.2 98.1 98.3 99.0 99.0 99.0 99.1 99.1 99.1

0.2 97.7 97.3 98.2 99.0 99.3 99.4 99.4 99.7 99.3 99.8

1.2 97.7 97.3 98.2 99.0 99.3 99.4 99.4 99.3 100.0 100.0

0.2 97.7 97.3 98.2 99.0 99.3 99.4 99.4 99.3 100.0 100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CIL  
FROM 400 LY OBSERVATIONS

STATION NUMBER: 726056

STATION NAME: PLEASANT AFB NH

PERIOD

GMT TO UTC: + 5

MONTH: 1

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CIL     | 45.3    | 45.0    | 45.1    | 45.1    | 45.1    | 45.1        | 45.1    | 45.1        | 45.1        | 45.1    |
| GE 20000   | 55.4    | 55.3    | 55.4    | 55.5    | 55.6    | 55.5        | 55.5    | 55.5        | 55.5        | 55.6    |
| GE 18000   | 55.5    | 55.4    | 55.5    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        | 55.7    |
| GE 16000   | 55.5    | 55.4    | 55.6    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        | 55.7    |
| GE 14000   | 55.5    | 55.5    | 57.0    | 57.1    | 57.1    | 57.1        | 57.1    | 57.1        | 57.1        | 57.1    |
| GE 12000   | 55.2    | 55.1    | 55.3    | 55.4    | 55.4    | 55.4        | 55.4    | 55.4        | 55.4        | 55.4    |
| GE 10000   | 55.5    | 51.7    | 51.9    | 52.0    | 52.2    | 52.2        | 52.2    | 52.2        | 52.2        | 52.2    |
| GE 8000    | 51.5    | 52.7    | 52.9    | 53.0    | 53.2    | 53.2        | 53.2    | 53.2        | 53.2        | 53.2    |
| GE 6000    | 55.1    | 57.5    | 57.4    | 57.5    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        | 57.5    |
| GE 7000    | 55.5    | 57.7    | 55.1    | 55.2    | 55.2    | 55.4        | 55.4    | 55.4        | 55.4        | 55.4    |
| GE 6000    | 57.1    | 55.2    | 55.7    | 55.5    | 55.5    | 55.5        | 55.5    | 55.5        | 55.5        | 55.5    |
| GE 5000    | 55.5    | 70.0    | 70.5    | 70.7    | 70.9    | 70.9        | 70.9    | 70.9        | 70.9        | 70.9    |
| GE 4500    | 71.1    | 72.0    | 72.2    | 73.1    | 73.3    | 73.3        | 73.3    | 73.3        | 73.3        | 73.3    |
| GE 4000    | 74.1    | 73.4    | 74.3    | 75.7    | 77.0    | 77.0        | 77.0    | 77.0        | 77.0        | 77.0    |
| GE 3500    | 75.4    | 77.3    | 73.2    | 73.7    | 79.1    | 79.1        | 79.1    | 79.1        | 79.1        | 79.1    |
| GE 3000    | 73.0    | 79.7    | 80.7    | 81.3    | 82.1    | 82.1        | 82.2    | 82.2        | 82.3        | 82.3    |
| GE 2500    | 70.0    | 80.7    | 81.7    | 82.5    | 83.3    | 83.3        | 83.4    | 83.4        | 83.4        | 83.4    |
| GE 2000    | 80.5    | 80.1    | 83.1    | 84.0    | 84.5    | 84.5        | 84.5    | 84.5        | 84.5        | 84.5    |
| GE 1500    | 80.5    | 82.2    | 83.2    | 84.1    | 84.7    | 84.7        | 84.7    | 84.7        | 84.7        | 84.7    |
| GE 1300    | 81.9    | 83.5    | 84.5    | 85.4    | 85.2    | 85.2        | 85.2    | 85.2        | 85.2        | 85.2    |
| GE 1200    | 83.4    | 85.1    | 86.3    | 87.4    | 88.2    | 88.2        | 88.3    | 88.3        | 88.4        | 88.4    |
| GE 1000    | 83.0    | 85.5    | 85.9    | 88.1    | 89.1    | 89.2        | 89.5    | 89.7        | 89.8        | 89.8    |
| GE 800     | 85.0    | 85.7    | 85.3    | 89.5    | 90.5    | 90.5        | 91.1    | 91.2        | 91.3        | 91.3    |
| GE 600     | 85.5    | 87.2    | 89.2    | 90.5    | 91.7    | 92.5        | 92.7    | 92.8        | 92.9        | 92.9    |
| GE 700     | 86.4    | 88.2    | 89.8    | 91.9    | 93.5    | 93.9        | 94.7    | 94.7        | 94.7        | 94.7    |
| GE 500     | 86.7    | 88.4    | 89.5    | 92.4    | 94.3    | 94.7        | 95.5    | 95.5        | 95.1        | 95.1    |
| GE 600     | 86.7    | 88.5    | 91.0    | 93.0    | 95.1    | 95.1        | 95.7    | 97.0        | 97.4        | 97.4    |
| GE 400     | 85.0    | 88.8    | 91.2    | 93.2    | 95.5    | 95.7        | 97.5    | 98.3        | 98.3        | 98.3    |
| GE 300     | 86.2    | 88.3    | 91.2    | 93.2    | 95.5    | 95.9        | 97.2    | 98.6        | 98.1        | 98.2    |
| GE 200     | 85.0    | 88.4    | 91.2    | 93.2    | 95.5    | 95.9        | 97.2    | 98.7        | 98.2        | 98.5    |
| GE 100     | 85.0    | 88.4    | 91.2    | 93.2    | 95.5    | 95.9        | 97.5    | 98.7        | 98.2        | 98.5    |

TOTAL NUMBER OF OBSERVATIONS 900

### EXPERIMENTAL OBSERVATIONS

MONTH: JUN HOURS: 12-14

|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100.0 | 99.9 | 99.8 | 99.7 | 99.6 | 99.5 | 99.4 | 99.3 | 99.2 | 99.1 | 99.0 | 98.9 | 98.8 | 98.7 | 98.6 | 98.5 | 98.4 | 98.3 | 98.2 | 98.1 | 98.0 | 97.9 | 97.8 | 97.7 | 97.6 | 97.5 | 97.4 | 97.3 | 97.2 | 97.1 | 97.0 | 96.9 | 96.8 | 96.7 | 96.6 | 96.5 | 96.4 | 96.3 | 96.2 | 96.1 | 96.0 | 95.9 | 95.8 | 95.7 | 95.6 | 95.5 | 95.4 | 95.3 | 95.2 | 95.1 | 95.0 | 94.9 | 94.8 | 94.7 | 94.6 | 94.5 | 94.4 | 94.3 | 94.2 | 94.1 | 94.0 | 93.9 | 93.8 | 93.7 | 93.6 | 93.5 | 93.4 | 93.3 | 93.2 | 93.1 | 93.0 | 92.9 | 92.8 | 92.7 | 92.6 | 92.5 | 92.4 | 92.3 | 92.2 | 92.1 | 92.0 | 91.9 | 91.8 | 91.7 | 91.6 | 91.5 | 91.4 | 91.3 | 91.2 | 91.1 | 91.0 | 90.9 | 90.8 | 90.7 | 90.6 | 90.5 | 90.4 | 90.3 | 90.2 | 90.1 | 90.0 | 89.9 | 89.8 | 89.7 | 89.6 | 89.5 | 89.4 | 89.3 | 89.2 | 89.1 | 89.0 | 88.9 | 88.8 | 88.7 | 88.6 | 88.5 | 88.4 | 88.3 | 88.2 | 88.1 | 88.0 | 87.9 | 87.8 | 87.7 | 87.6 | 87.5 | 87.4 | 87.3 | 87.2 | 87.1 | 87.0 | 86.9 | 86.8 | 86.7 | 86.6 | 86.5 | 86.4 | 86.3 | 86.2 | 86.1 | 86.0 | 85.9 | 85.8 | 85.7 | 85.6 | 85.5 | 85.4 | 85.3 | 85.2 | 85.1 | 85.0 | 84.9 | 84.8 | 84.7 | 84.6 | 84.5 | 84.4 | 84.3 | 84.2 | 84.1 | 84.0 | 83.9 | 83.8 | 83.7 | 83.6 | 83.5 | 83.4 | 83.3 | 83.2 | 83.1 | 83.0 | 82.9 | 82.8 | 82.7 | 82.6 | 82.5 | 82.4 | 82.3 | 82.2 | 82.1 | 82.0 | 81.9 | 81.8 | 81.7 | 81.6 | 81.5 | 81.4 | 81.3 | 81.2 | 81.1 | 81.0 | 80.9 | 80.8 | 80.7 | 80.6 | 80.5 | 80.4 | 80.3 | 80.2 | 80.1 | 80.0 | 79.9 | 79.8 | 79.7 | 79.6 | 79.5 | 79.4 | 79.3 | 79.2 | 79.1 | 79.0 | 78.9 | 78.8 | 78.7 | 78.6 | 78.5 | 78.4 | 78.3 | 78.2 | 78.1 | 78.0 | 77.9 | 77.8 | 77.7 | 77.6 | 77.5 | 77.4 | 77.3 | 77.2 | 77.1 | 77.0 | 76.9 | 76.8 | 76.7 | 76.6 | 76.5 | 76.4 | 76.3 | 76.2 | 76.1 | 76.0 | 75.9 | 75.8 | 75.7 | 75.6 | 75.5 | 75.4 | 75.3 | 75.2 | 75.1 | 75.0 | 74.9 | 74.8 | 74.7 | 74.6 | 74.5 | 74.4 | 74.3 | 74.2 | 74.1 | 74.0 | 73.9 | 73.8 | 73.7 | 73.6 | 73.5 | 73.4 | 73.3 | 73.2 | 73.1 | 73.0 | 72.9 | 72.8 | 72.7 | 72.6 | 72.5 | 72.4 | 72.3 | 72.2 | 72.1 | 72.0 | 71.9 | 71.8 | 71.7 | 71.6 | 71.5 | 71.4 | 71.3 | 71.2 | 71.1 | 71.0 | 70.9 | 70.8 | 70.7 | 70.6 | 70.5 | 70.4 | 70.3 | 70.2 | 70.1 | 70.0 | 69.9 | 69.8 | 69.7 | 69.6 | 69.5 | 69.4 | 69.3 | 69.2 | 69.1 | 69.0 | 68.9 | 68.8 | 68.7 | 68.6 | 68.5 | 68.4 | 68.3 | 68.2 | 68.1 | 68.0 | 67.9 | 67.8 | 67.7 | 67.6 | 67.5 | 67.4 | 67.3 | 67.2 | 67.1 | 67.0 | 66.9 | 66.8 | 66.7 | 66.6 | 66.5 | 66.4 | 66.3 | 66.2 | 66.1 | 66.0 | 65.9 | 65.8 | 65.7 | 65.6 | 65.5 | 65.4 | 65.3 | 65.2 | 65.1 | 65.0 | 64.9 | 64.8 | 64.7 | 64.6 | 64.5 | 64.4 | 64.3 | 64.2 | 64.1 | 64.0 | 63.9 | 63.8 | 63.7 | 63.6 | 63.5 | 63.4 | 63.3 | 63.2 | 63.1 | 63.0 | 62.9 | 62.8 | 62.7 | 62.6 | 62.5 | 62.4 | 62.3 | 62.2 | 62.1 | 62.0 | 61.9 | 61.8 | 61.7 | 61.6 | 61.5 | 61.4 | 61.3 | 61.2 | 61.1 | 61.0 | 60.9 | 60.8 | 60.7 | 60.6 | 60.5 | 60.4 | 60.3 | 60.2 | 60.1 | 60.0 | 59.9 | 59.8 | 59.7 | 59.6 | 59.5 | 59.4 | 59.3 | 59.2 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

OPERATING LOCATION: WAM  
USAFHAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB NH  
LEI TO UTC: + 5

PERIOD:  
1964: J

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 1/2 | GE<br>13 | GE<br>14 1/2 | GE<br>15 1/2 | GE<br>16 |
|------------|---------|---------|---------|----------|----------|--------------|----------|--------------|--------------|----------|
| NO CEIL    | 44.5    | 44.7    | 45.1    | 45.3     | 45.3     | 45.3         | 45.3     | 45.3         | 45.3         | 45.4     |
| GE 2000    | 54.5    | 54.7    | 55.2    | 55.4     | 55.5     | 55.5         | 55.5     | 55.5         | 55.5         | 55.7     |
| GE 1800    | 54.7    | 54.8    | 55.3    | 55.5     | 55.7     | 55.7         | 55.7     | 55.7         | 55.7         | 55.8     |
| GE 1600    | 54.8    | 55.1    | 55.4    | 55.7     | 55.8     | 55.8         | 55.8     | 55.8         | 55.8         | 55.9     |
| GE 1400    | 55.2    | 55.3    | 55.7    | 55.7     | 55.8     | 55.8         | 55.8     | 55.8         | 55.8         | 55.8     |
| GE 1200    | 57.9    | 58.2    | 58.5    | 58.5     | 58.9     | 58.9         | 58.9     | 58.9         | 58.9         | 59.1     |
| GE 1000    | 62.2    | 61.9    | 61.4    | 61.7     | 62.2     | 62.2         | 62.2     | 62.2         | 62.2         | 62.3     |
| GE 900     | 61.2    | 61.7    | 62.2    | 62.7     | 63.1     | 63.1         | 63.1     | 63.1         | 63.1         | 63.2     |
| GE 800     | 67.1    | 67.9    | 67.5    | 67.9     | 67.4     | 67.4         | 67.4     | 67.4         | 67.4         | 67.5     |
| GE 700     | 67.7    | 67.4    | 67.1    | 67.7     | 70.2     | 70.2         | 70.2     | 70.2         | 70.2         | 70.3     |
| GE 600     | 61.7    | 68.4    | 70.1    | 70.7     | 71.2     | 71.2         | 71.2     | 71.2         | 71.2         | 71.3     |
| GE 500     | 70.2    | 71.9    | 71.7    | 72.3     | 72.7     | 72.7         | 72.7     | 72.7         | 72.7         | 72.7     |
| GE 400     | 72.7    | 73.4    | 74.1    | 74.5     | 75.3     | 75.4         | 75.5     | 75.5         | 75.5         | 75.7     |
| GE 300     | 75.1    | 75.9    | 76.7    | 77.5     | 77.3     | 77.4         | 77.5     | 77.5         | 77.5         | 77.7     |
| GE 200     | 76.2    | 76.1    | 76.9    | 76.5     | 76.8     | 76.7         | 76.8     | 76.8         | 76.8         | 76.8     |
| GE 100     | 79.3    | 78.7    | 78.5    | 78.9     | 78.9     | 78.9         | 78.9     | 78.9         | 78.9         | 79.1     |
| GE 2500    | 75.2    | 75.4    | 75.4    | 75.9     | 75.3     | 75.4         | 75.4     | 75.4         | 75.4         | 75.5     |
| GE 2000    | 75.7    | 75.1    | 75.0    | 75.4     | 75.7     | 75.9         | 75.9     | 75.9         | 75.9         | 76.1     |
| GE 1800    | 75.7    | 75.1    | 75.0    | 74.4     | 75.1     | 75.2         | 75.2     | 75.2         | 75.2         | 75.2     |
| GE 1600    | 75.7    | 75.2    | 74.1    | 75.4     | 75.7     | 77.2         | 77.1     | 77.1         | 77.2         | 77.2     |
| GE 1200    | 75.1    | 74.5    | 75.2    | 77.2     | 77.2     | 77.2         | 77.2     | 77.2         | 77.2         | 77.2     |
| GE 1000    | 75.9    | 75.7    | 76.7    | 76.4     | 76.1     | 76.4         | 76.5     | 76.7         | 76.7         | 76.7     |
| GE 900     | 75.1    | 75.9    | 76.1    | 76.7     | 76.3     | 76.7         | 76.7     | 76.7         | 76.7         | 76.7     |
| GE 800     | 75.2    | 77.0    | 76.5    | 76.2     | 76.2     | 76.3         | 76.4     | 76.7         | 76.7         | 76.7     |
| GE 700     | 75.1    | 75.0    | 74.5    | 74.4     | 73.3     | 73.7         | 73.7     | 74.2         | 74.2         | 74.1     |
| GE 600     | 75.1    | 75.3    | 75.4    | 75.8     | 75.2     | 74.2         | 74.5     | 74.5         | 74.5         | 74.5     |
| GE 500     | 75.2    | 75.4    | 75.3    | 75.4     | 74.3     | 75.1         | 75.7     | 75.5         | 75.5         | 75.3     |
| GE 400     | 75.2    | 75.5    | 75.5    | 75.7     | 75.2     | 75.7         | 75.5     | 75.5         | 75.5         | 75.2     |
| GE 300     | 75.2    | 75.5    | 75.5    | 75.7     | 75.4     | 75.9         | 75.5     | 75.7         | 75.1         | 75.6     |
| GE 200     | 75.2    | 75.5    | 75.5    | 75.7     | 75.4     | 75.9         | 75.2     | 75.7         | 75.3         | 75.7     |
| GE 100     | 75.2    | 75.5    | 75.5    | 75.7     | 75.4     | 75.9         | 75.5     | 75.7         | 75.3         | 75.7     |

TOTAL NUMBER OF OBSERVATIONS 900

2-2-64

A

PERIOD OF RECORD: JUL 74 - JUN 75  
DATE: JUN HOURS: 15-17

[illegible]

OPERATING LOCATION "A"  
USAFSTAG, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLOUDS  
AT THIS ELEVATION

STATION NUMBER: 726055

STATION NAME: STAG AFB NC

DATE: 10-1-55

REF ID: + 5

TIME: 11:00

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CLOUD   | 45.2    | 47.4    | 47.3    | 47.2    | 49.3    | 48.6        | 48.4    | 48.3        | 48.4        | 48.4    |
| GE 20000   | 54.3    | 55.1    | 54.5    | 57.0    | 57.5    | 57.7        | 57.7    | 57.7        | 57.7        | 57.7    |
| GE 15000   | 54.2    | 55.2    | 56.7    | 57.1    | 57.7    | 57.5        | 57.3    | 57.3        | 57.7        | 57.7    |
| GE 14000   | 54.3    | 55.2    | 56.7    | 57.1    | 57.7    | 57.3        | 57.2    | 57.2        | 57.7        | 57.7    |
| GE 14000   | 55.7    | 57.0    | 57.5    | 57.2    | 58.5    | 58.2        | 58.2    | 58.5        | 58.2        | 58.5    |
| GE 12000   | 58.5    | 59.5    | 59.4    | 59.3    | 61.4    | 61.5        | 61.5    | 61.5        | 61.5        | 61.5    |
| GE 10000   | 62.4    | 64.3    | 64.3    | 65.4    | 65.2    | 66.0        | 66.2    | 65.1        | 65.1        | 65.3    |
| GE 9000    | 62.5    | 64.5    | 65.4    | 65.3    | 66.5    | 66.5        | 66.5    | 66.7        | 66.7        | 66.7    |
| GE 8000    | 65.0    | 66.0    | 66.2    | 66.5    | 70.4    | 70.5        | 70.5    | 70.7        | 70.7        | 70.7    |
| GE 7000    | 67.3    | 68.3    | 70.3    | 70.3    | 71.1    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    |
| GE 6000    | 68.2    | 71.0    | 72.3    | 72.7    | 73.5    | 73.5        | 73.5    | 73.7        | 73.7        | 74.1    |
| GE 5000    | 71.4    | 73.5    | 74.7    | 75.5    | 75.4    | 75.5        | 75.5    | 75.7        | 75.7        | 75.7    |
| GE 4500    | 74.7    | 75.1    | 77.5    | 78.3    | 79.2    | 79.3        | 79.7    | 79.5        | 79.7        | 79.7    |
| GE 4000    | 75.4    | 77.7    | 78.3    | 80.0    | 81.1    | 81.4        | 81.5    | 81.7        | 81.7        | 81.7    |
| GE 3500    | 77.4    | 78.7    | 81.4    | 82.2    | 83.5    | 83.1        | 83.1    | 83.3        | 83.3        | 83.3    |
| GE 3000    | 78.7    | 81.2    | 82.5    | 83.3    | 85.1    | 85.4        | 85.5    | 85.9        | 85.7        | 85.7    |
| GE 2500    | 79.4    | 81.7    | 83.5    | 84.5    | 85.1    | 85.4        | 85.5    | 86.3        | 86.3        | 87.1    |
| GE 2000    | 79.5    | 81.3    | 83.7    | 84.7    | 85.3    | 85.5        | 87.2    | 87.2        | 87.2        | 87.4    |
| GE 1800    | 79.3    | 81.4    | 83.7    | 84.7    | 85.3    | 85.5        | 87.2    | 87.2        | 87.2        | 87.4    |
| GE 1500    | 80.1    | 82.4    | 84.3    | 85.3    | 85.9    | 87.2        | 87.3    | 87.2        | 87.2        | 87.2    |
| GE 1200    | 81.2    | 83.5    | 85.5    | 86.7    | 87.4    | 88.7        | 89.1    | 89.3        | 89.3        | 89.7    |
| GE 1000    | 81.3    | 83.6    | 85.5    | 87.2    | 87.5    | 89.3        | 89.5    | 89.9        | 89.9        | 90.1    |
| GE 900     | 81.5    | 84.9    | 85.4    | 87.3    | 89.4    | 89.3        | 89.1    | 89.3        | 89.3        | 89.5    |
| GE 800     | 82.0    | 84.4    | 85.9    | 88.3    | 90.0    | 90.5        | 90.2    | 91.0        | 91.0        | 91.2    |
| GE 700     | 82.2    | 84.5    | 87.2    | 88.3    | 90.2    | 91.0        | 91.0    | 91.5        | 91.5        | 92.5    |
| GE 600     | 82.3    | 84.7    | 87.4    | 89.0    | 90.9    | 91.2        | 92.0    | 92.3        | 92.4        | 92.7    |
| GE 500     | 82.3    | 85.0    | 87.5    | 89.5    | 91.9    | 92.3        | 93.1    | 93.4        | 93.5        | 93.8    |
| GE 400     | 82.3    | 85.3    | 88.1    | 90.0    | 92.5    | 93.3        | 94.2    | 94.7        | 94.9        | 95.1    |
| GE 300     | 82.3    | 85.4    | 88.2    | 90.1    | 93.4    | 94.4        | 95.1    | 95.5        | 97.2        | 98.1    |
| GE 200     | 82.3    | 85.4    | 88.2    | 90.1    | 93.4    | 94.5        | 95.2    | 97.1        | 97.7        | 98.5    |
| GE 100     | 82.3    | 85.4    | 88.2    | 90.1    | 93.4    | 94.5        | 95.2    | 97.1        | 97.7        | 98.5    |
| GE 000     | 82.3    | 85.4    | 88.2    | 90.1    | 93.4    | 94.5        | 95.2    | 97.1        | 97.7        | 98.5    |

TOTAL NUMBER OF OBSERVATIONS 898

## DATE: 101 HOURS: 18-20

4



OPERATION LOCATION "AW"  
JSAFETAC, 450-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM 11/1/74 TO 11/1/74

STATION NUMBER: 725000

STATION NAME: PLEASANT AFB

UNIT: 1

EST ID NO: 45

UNIT: 1

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FOOT | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    |
|------------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL    | 71.6 | 72.0 | 74.3 | 75.2 | 75.6 | 76.1 | 76.2 | 76.2 | 76.7 | 76.7 |
| GE 20000   | 77.2 | 76.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 18000   | 76.2 | 76.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 16000   | 75.2 | 76.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 14000   | 75.4 | 77.0 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 12000   | 75.7 | 77.0 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 10000   | 76.2 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 8000    | 76.2 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 6000    | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 4000    | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 3000    | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 2000    | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 1000    | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 500     | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 250     | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 100     | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 50      | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 25      | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 10      | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 5       | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |
| GE 1       | 76.4 | 77.7 | 74.3 | 79.3 | 79.3 | 79.2 | 79.3 | 79.4 | 79.4 | 79.4 |

TOTAL NUMBER OF OBSERVATIONS 897

1 - 2 - 53

PRINTED: JUN FIVE: 21-23

| 1/2  | 3/4  | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/5  | 1/4  | 3/8  |
|------|------|-------|-------|------|------|------|------|------|------|------|
| 50.1 | 50.2 | 50.3  | 50.3  | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 50.2 | 50.3 | 50.4  | 50.4  | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 50.3 | 50.4 | 50.4  | 50.4  | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 50.4 | 50.5 | 50.4  | 50.4  | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| 50.5 | 50.6 | 50.5  | 50.5  | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| 50.6 | 50.7 | 50.6  | 50.6  | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 50.7 | 50.8 | 50.7  | 50.7  | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| 50.8 | 50.9 | 50.8  | 50.8  | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| 50.9 | 51.0 | 50.9  | 50.9  | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| 51.0 | 51.1 | 51.0  | 51.0  | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 51.1 | 51.2 | 51.1  | 51.1  | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| 51.2 | 51.3 | 51.2  | 51.2  | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 51.3 | 51.4 | 51.3  | 51.3  | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| 51.4 | 51.5 | 51.4  | 51.4  | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| 51.5 | 51.6 | 51.5  | 51.5  | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 51.6 | 51.7 | 51.6  | 51.6  | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 51.7 | 51.8 | 51.7  | 51.7  | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 51.8 | 51.9 | 51.8  | 51.8  | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 51.9 | 52.0 | 51.9  | 51.9  | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| 52.0 | 52.1 | 52.0  | 52.0  | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| 52.1 | 52.2 | 52.1  | 52.1  | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 52.2 | 52.3 | 52.2  | 52.2  | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 52.3 | 52.4 | 52.3  | 52.3  | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| 52.4 | 52.5 | 52.4  | 52.4  | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 52.5 | 52.6 | 52.5  | 52.5  | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 52.6 | 52.7 | 52.6  | 52.6  | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| 52.7 | 52.8 | 52.7  | 52.7  | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 52.8 | 52.9 | 52.8  | 52.8  | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| 52.9 | 53.0 | 52.9  | 52.9  | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| 53.0 | 53.1 | 53.0  | 53.0  | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| 53.1 | 53.2 | 53.1  | 53.1  | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| 53.2 | 53.3 | 53.2  | 53.2  | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 53.3 | 53.4 | 53.3  | 53.3  | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| 53.4 | 53.5 | 53.4  | 53.4  | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| 53.5 | 53.6 | 53.5  | 53.5  | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| 53.6 | 53.7 | 53.6  | 53.6  | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 |
| 53.7 | 53.8 | 53.7  | 53.7  | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| 53.8 | 53.9 | 53.8  | 53.8  | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 53.9 | 54.0 | 53.9  | 5     |      |      |      |      |      |      |      |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL  
FROM PILOT OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB, NH  
LST TO UTC: + 5

PERIOD

MONTH

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 54<br>7 | 56<br>9 | 58<br>13 | 60<br>4 | 62<br>3 | 64<br>2 1/2 | 66<br>2 | 68<br>1 1/2 | 70<br>1 1/4 | 72<br>1 |
|------------|---------|---------|----------|---------|---------|-------------|---------|-------------|-------------|---------|
|------------|---------|---------|----------|---------|---------|-------------|---------|-------------|-------------|---------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 45.3 | 47.2 | 48.1 | 42.1 | 49.3 | 48.5 | 44.7 | 44.7 | 42.7 | 44.7 |
| GE 20000 | 53.1 | 54.2 | 55.1 | 55.9 | 55.5 | 55.5 | 57.2 | 57.1 | 57.2 | 57.2 |
| GE 18000 | 53.1 | 54.4 | 55.3 | 55.1 | 55.2 | 57.2 | 57.2 | 57.3 | 57.4 | 57.6 |
| GE 16000 | 53.4 | 54.5 | 55.4 | 56.2 | 55.5 | 57.1 | 57.2 | 57.4 | 57.6 | 57.7 |
| GE 14000 | 53.7 | 54.8 | 55.7 | 55.8 | 57.2 | 57.4 | 57.5 | 57.2 | 57.2 | 57.7 |
| GE 12000 | 55.5 | 55.7 | 57.5 | 58.4 | 59.1 | 59.3 | 59.5 | 59.7 | 59.7 | 59.9 |
| GE 10000 | 55.7 | 56.9 | 58.1 | 58.9 | 59.7 | 59.9 | 59.1 | 59.3 | 59.4 | 59.4 |
| GE 8000  | 59.2 | 59.5 | 59.3 | 58.7 | 58.5 | 58.7 | 58.3 | 58.1 | 58.1 | 58.7 |
| GE 6000  | 58.2 | 58.7 | 59.1 | 57.1 | 57.2 | 58.2 | 58.2 | 58.7 | 57.7 | 58.8 |
| GE 4000  | 54.2 | 53.7 | 57.2 | 58.7 | 59.2 | 59.4 | 59.7 | 59.2 | 59.2 | 70.2 |
| GE 3000  | 59.1 | 58.8 | 58.2 | 59.1 | 70.2 | 70.4 | 70.7 | 70.2 | 70.2 | 71.5 |
| GE 2000  | 58.9 | 58.5 | 70.2 | 71.5 | 72.3 | 72.5 | 73.5 | 72.2 | 71.2 | 72.2 |
| GE 1800  | 62.3 | 70.2 | 72.3 | 73.2 | 74.2 | 74.5 | 75.3 | 75.2 | 75.3 | 75.1 |
| GE 1600  | 70.4 | 74.1 | 74.9 | 75.5 | 75.5 | 75.3 | 77.4 | 77.5 | 77.7 | 77.7 |
| GE 1400  | 71.7 | 72.5 | 75.5 | 76.2 | 73.1 | 73.5 | 77.2 | 78.2 | 78.2 | 78.4 |
| GE 1200  | 73.1 | 75.9 | 77.3 | 78.5 | 79.3 | 80.4 | 80.3 | 81.1 | 81.2 | 81.4 |
| GE 1000  | 73.7 | 75.5 | 77.7 | 79.3 | 80.1 | 81.3 | 81.1 | 82.3 | 82.2 | 82.3 |
| GE 800   | 74.3 | 75.2 | 78.5 | 80.2 | 81.9 | 82.1 | 82.2 | 82.4 | 82.1 | 82.2 |
| GE 600   | 74.7 | 75.4 | 78.5 | 80.2 | 81.2 | 82.3 | 82.2 | 82.1 | 82.2 | 82.5 |
| GE 400   | 75.2 | 77.2 | 79.3 | 81.5 | 82.7 | 83.2 | 83.7 | 84.1 | 84.2 | 84.2 |
| GE 200   | 76.3 | 78.4 | 80.7 | 82.8 | 84.2 | 84.2 | 85.2 | 85.7 | 85.5 | 85.7 |
| GE 1000  | 76.3 | 78.0 | 81.4 | 83.3 | 85.1 | 86.7 | 88.1 | 88.7 | 89.6 | 87.1 |
| GE 800   | 77.4 | 78.5 | 82.1 | 84.1 | 85.9 | 86.5 | 87.2 | 87.5 | 87.2 | 87.2 |
| GE 600   | 77.2 | 80.1 | 82.5 | 84.9 | 87.5 | 87.7 | 88.4 | 88.1 | 88.7 | 89.1 |
| GE 400   | 78.2 | 80.2 | 83.4 | 85.5 | 87.9 | 88.7 | 89.2 | 89.5 | 89.2 | 89.2 |
| GE 200   | 78.5 | 80.9 | 84.1 | 86.3 | 89.0 | 89.9 | 90.7 | 91.2 | 91.5 | 91.7 |
| GE 100   | 78.5 | 81.1 | 84.3 | 86.9 | 89.4 | 90.5 | 91.4 | 92.4 | 92.7 | 92.9 |
| GE 500   | 78.7 | 81.2 | 84.7 | 87.6 | 90.7 | 91.2 | 92.1 | 93.2 | 93.3 | 94.5 |
| GE 300   | 78.7 | 81.3 | 84.3 | 87.5 | 91.2 | 92.7 | 94.2 | 95.5 | 95.3 | 95.7 |
| GE 200   | 78.7 | 81.3 | 84.4 | 87.7 | 91.5 | 92.5 | 94.4 | 95.2 | 95.2 | 97.4 |
| GE 100   | 78.7 | 81.3 | 84.4 | 87.7 | 91.5 | 92.2 | 94.4 | 95.9 | 96.5 | 97.4 |

TOTAL NUMBER OF OBSERVATIONS 7195

# TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM RAIPLY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 74  
MONTH: JULIANS: ALL

## VISIBILITY IN STATUTE MILES

| 1/2  | 1    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/4  | 1/4  | 0    |
|------|------|-------|-------|------|------|------|------|------|------|------|
| 48.5 | 48.6 | 48.7  | 48.7  | 48.7 | 48.8 | 48.8 | 48.8 | 48.9 | 48.9 | 48.9 |
| 48.9 | 49.0 | 49.1  | 49.1  | 49.1 | 49.2 | 49.2 | 49.2 | 49.3 | 49.3 | 49.3 |
| 49.3 | 49.4 | 49.5  | 49.5  | 49.5 | 49.6 | 49.6 | 49.6 | 49.7 | 49.7 | 49.7 |
| 49.7 | 49.8 | 49.9  | 49.9  | 49.9 | 50.0 | 50.0 | 50.0 | 50.1 | 50.1 | 50.1 |
| 50.1 | 50.2 | 50.3  | 50.3  | 50.3 | 50.4 | 50.4 | 50.4 | 50.5 | 50.5 | 50.5 |
| 50.5 | 50.6 | 50.7  | 50.7  | 50.7 | 50.8 | 50.8 | 50.8 | 50.9 | 50.9 | 50.9 |
| 50.9 | 51.0 | 51.1  | 51.1  | 51.1 | 51.2 | 51.2 | 51.2 | 51.3 | 51.3 | 51.3 |
| 51.3 | 51.4 | 51.5  | 51.5  | 51.5 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 |
| 51.7 | 51.8 | 51.9  | 51.9  | 51.9 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 |
| 52.1 | 52.2 | 52.3  | 52.3  | 52.3 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 |
| 52.5 | 52.6 | 52.7  | 52.7  | 52.7 | 52.8 | 52.8 | 52.8 | 52.9 | 52.9 | 52.9 |
| 52.9 | 53.0 | 53.1  | 53.1  | 53.1 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 |
| 53.3 | 53.4 | 53.5  | 53.5  | 53.5 | 53.6 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 |
| 53.7 | 53.8 | 53.9  | 53.9  | 53.9 | 54.0 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 |
| 54.1 | 54.2 | 54.3  | 54.3  | 54.3 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 |
| 54.5 | 54.6 | 54.7  | 54.7  | 54.7 | 54.8 | 54.8 | 54.8 | 54.9 | 54.9 | 54.9 |
| 54.9 | 55.0 | 55.1  | 55.1  | 55.1 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 |
| 55.3 | 55.4 | 55.5  | 55.5  | 55.5 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 |
| 55.7 | 55.8 | 55.9  | 55.9  | 55.9 | 56.0 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 |
| 56.1 | 56.2 | 56.3  | 56.3  | 56.3 | 56.4 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 |
| 56.5 | 56.6 | 56.7  | 56.7  | 56.7 | 56.8 | 56.8 | 56.8 | 56.9 | 56.9 | 56.9 |
| 56.9 | 57.0 | 57.1  | 57.1  | 57.1 | 57.2 | 57.2 | 57.2 | 57.3 | 57.3 | 57.3 |
| 57.3 | 57.4 | 57.5  | 57.5  | 57.5 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 |
| 57.7 | 57.8 | 57.9  | 57.9  | 57.9 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 |
| 58.1 | 58.2 | 58.3  | 58.3  | 58.3 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 |
| 58.5 | 58.6 | 58.7  | 58.7  | 58.7 | 58.8 | 58.8 | 58.8 | 58.9 | 58.9 | 58.9 |
| 58.9 | 59.0 | 59.1  | 59.1  | 59.1 | 59.2 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 |
| 59.3 | 59.4 | 59.5  | 59.5  | 59.5 | 59.6 | 59.6 | 59.6 | 59.7 | 59.7 | 59.7 |
| 59.7 | 59.8 | 59.9  | 59.9  | 59.9 | 60.0 | 60.0 | 60.0 | 60.1 | 60.1 | 60.1 |
| 60.1 | 60.2 | 60.3  | 60.3  | 60.3 | 60.4 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5 |
| 60.5 | 60.6 | 60.7  | 60.7  | 60.7 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 |
| 60.9 | 61.0 | 61.1  | 61.1  | 61.1 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 |
| 61.3 | 61.4 | 61.5  | 61.5  | 61.5 | 61.6 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 |
| 61.7 | 61.8 | 61.9  | 61.9  | 61.9 | 62.0 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 |
| 62.1 | 62.2 | 62.3  | 62.3  | 62.3 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 |
| 62.5 | 62.6 | 62.7  | 62.7  | 62.7 | 62.8 | 62.8 | 62.8 | 62.9 | 62.9 | 62.9 |
| 62.9 | 63.0 | 63.1  | 63.1  | 63.1 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 |
| 63.3 | 63.4 | 63.5  | 63.5  | 63.5 | 63.6 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 |
| 63.7 | 63.8 | 63.9  | 63.9  | 63.9 | 64.0 | 64.0 | 64.0 | 64.1 | 64.1 | 64.1 |
| 64.1 | 64.2 | 64.3  | 64.3  | 64.3 | 64.4 | 64.4 | 64.4 | 64.5 | 64.5 | 64.5 |
| 64.5 | 64.6 | 64.7  | 64.7  | 64.7 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 |
| 64.9 | 65.0 | 65.1  | 65.1  | 65.1 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 |
| 65.3 | 65.4 | 65.5  | 65.5  | 65.5 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 |
| 65.7 | 65.8 | 65.9  | 65.9  | 65.9 | 66.0 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 |
| 66.1 | 66.2 | 66.3  | 66.3  | 66.3 | 66.4 | 66.4 | 66.4 | 66.5 | 66.5 | 66.5 |
| 66.5 | 66.6 | 66.7  | 66.7  | 66.7 | 66.8 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9 |
| 66.9 | 67.0 | 67.1  | 67.1  | 67.1 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 |
| 67.3 | 67.4 | 67.5  | 67.5  | 67.5 | 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 |
| 67.7 | 67.8 | 67.9  | 67.9  | 67.9 | 68.0 | 68.0 | 68.0 | 68.1 | 68.1 | 68.1 |
| 68.1 | 68.2 | 68.3  | 68.3  | 68.3 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 |
| 68.5 | 68.6 | 68.7  | 68.7  | 68.7 | 68.8 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 |
| 68.9 | 69.0 | 69.1  | 69.1  | 69.1 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 |
| 69.3 | 69.4 | 69.5  | 69.5  | 69.5 | 69.6 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 |
| 69.7 | 69.8 | 69.9  | 69.9  | 69.9 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 |
| 70.1 | 70.2 | 70.3  | 70.3  | 70.3 | 70.4 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 |
| 70.5 | 70.6 | 70.7  | 70.7  | 70.7 | 70.8 | 70.8 | 70.8 | 70.9 | 70.9 | 70.9 |
| 70.9 | 71.0 | 71.1  | 71.1  | 71.1 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 |
| 71.3 | 71.4 | 71.5  | 71.5  | 71.5 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 |
| 71.7 | 71.8 | 71.9  | 71.9  | 71.9 | 72.0 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 |
| 72.1 | 72.2 | 72.3  | 72.3  | 72.3 | 72.4 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 |
| 72.5 | 72.6 | 72.7  | 72.7  | 72.7 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 |
| 72.9 | 73.0 | 73.1  | 73.1  | 73.1 | 73.2 | 73.2 | 73.2 | 73.3 | 73.3 | 73.3 |
| 73.3 | 73.4 | 73.5  | 73.5  | 73.5 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7 | 73.7 |
| 73.7 | 73.8 | 73.9  | 73.9  | 73.9 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 |
| 74.1 | 74.2 | 74.3  | 74.3  | 74.3 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 |
| 74.5 | 74.6 | 74.7  | 74.7  | 74.7 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 |
| 74.9 | 75.0 | 75.1  | 75.1  | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 |
| 75.3 | 75.4 | 75.5  | 75.5  | 75.5 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 |
| 75.7 | 75.8 | 75.9  | 75.9  | 75.9 | 76.0 | 76.0 | 76.0 | 76.1 | 76.1 | 76.1 |
| 76.1 | 76.2 | 76.3  | 76.3  | 76.3 | 76.4 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 |
| 76.5 | 76.6 | 76.7  | 76.7  | 76.7 | 76.8 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 |
| 76.9 | 77.0 | 77.1  | 77.1  | 77.1 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 |
| 77.3 | 77.4 | 77.5  | 77.5  | 77.5 | 77.6 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 |
| 77.7 | 77.8 | 77.9  | 77.9  | 77.9 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 |
| 78.1 | 78.2 | 78.3  | 78.3  | 78.3 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 |
| 78.5 | 78.6 | 78.7  | 78.7  | 78.7 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 |
| 78.9 | 79.0 | 79.1  | 79.1  | 79.1 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 |
| 79.3 | 79.4 | 79.5  | 79.5  | 79.5 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 |
| 79.7 | 79.8 | 79.9  | 79.9  | 79.9 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 |
| 80.1 | 80.2 | 80.3  | 80.3  | 80.3 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 |
| 80.5 | 80.6 | 80.7  | 80.7  | 80.7 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 |
| 80.9 | 81.0 | 81.1  | 81.1  | 81.1 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 |
| 81.3 | 81.4 | 81.5  | 81.5  | 81.5 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 |
| 81.7 | 81.8 | 81.9  | 81.9  | 81.9 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 |
| 82.1 | 82.2 | 82.3  | 82.3  | 82.3 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 |
| 82.5 | 82.6 | 82.7  | 82.7  | 82.7 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 |
| 82.9 | 83.0 | 83.1  | 83.1  | 83.1 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 |
| 83.3 | 83.4 | 83.5  | 83.5  | 83.5 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 |
| 83.7 | 83.8 | 83.9  | 83.9  | 83.9 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 |
| 84.1 | 84.2 | 84.3  | 84.3  | 84.3 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 |
| 84.5 | 84.6 | 84.7  | 84.7  | 84.7 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 |
| 84.9 | 85.0 | 85.1  | 85.1  | 85.1 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 |
| 85.3 | 85.4 | 85.5  | 85.5  | 85.5 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 |
| 85.7 | 85.8 | 85.9  | 85.9  | 85.9 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 |
| 86.1 | 86.2 | 86.3  | 86.3  | 86.3 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 |
| 86.5 | 86.6 | 86.7  | 86.7  | 86.7 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 |
| 86.9 | 87.0 | 87.1  | 87.1  | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 |
| 87.3 | 87.4 | 87.5  | 87.5  | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 |
| 87.7 | 87.8 | 87.9  | 87.9  | 87.9 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 |
| 88.1 | 88.2 | 88.3  | 88.3  | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 |
| 88.5 | 88.6 | 88.7  | 88.7  | 88.7 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 |
| 88.9 | 89.0 | 89.1  | 89.1  | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 |
| 89.3 | 89.4 | 89.5  | 89.5  | 89.5 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 |
| 89.7 | 89.8 | 89.9  | 89.9  | 89.9 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 |
| 90.1 | 90.2 | 90.3  | 90.3  | 90.3 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 |
| 90.5 | 90.6 | 90.7  | 90.7  | 90.7 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 |
| 90.9 | 91.0 | 91.1  | 91.1  | 91.1 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 |
| 91.3 | 91.4 | 91.5  | 91.5  | 91.5 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 |
| 91.7 | 91.8 | 91.9  | 91.9  | 91.9 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 |
| 92.1 | 92.2 | 92.3  | 92.3  | 92.3 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 |
| 92.5 | 92.6 | 92.7  | 92.7  | 92.7 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 |
| 92.9 | 93.0 | 93.1  | 93.1  | 93.1 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 |
| 93.3 | 93.4 | 93.5  | 93.5  | 93.5 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 |
| 93.7 | 93.8 | 93.9  | 93.9  | 93.9 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 |
| 94.1 | 94.2 | 94.3  | 94.3  | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 |
| 94.5 | 94.6 | 94.7  | 94.7  | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 |
| 94.9 | 95.0 |       |       |      |      |      |      |      |      |      |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: ROOSE AFB, NC  
LSE TO UTC: + 5

PERIOD  
MONTH:

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 | GE<br>11 | GE<br>12 | GE<br>13 | GE<br>14 | GE<br>15 | GE<br>16 |
|------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
| FEET       | 7       | 8       | 9       | 10       | 11       | 12       | 13       | 14       | 15       | 16       |
| NO CEIL    | 49.0    | 50.5    | 51.9    | 53.5     | 55.0     | 56.3     | 57.7     | 57.7     | 57.7     | 57.7     |
| GE 20000   | 53.3    | 53.4    | 57.2    | 59.5     | 62.4     | 62.7     | 64.0     | 63.3     | 64.3     | 63.4     |
| GE 14000   | 53.3    | 53.4    | 57.2    | 59.5     | 62.4     | 62.7     | 63.3     | 63.3     | 63.3     | 63.4     |
| GE 16000   | 53.3    | 53.4    | 57.2    | 59.5     | 62.4     | 62.7     | 63.3     | 63.3     | 63.3     | 63.4     |
| GE 14000   | 53.3    | 53.4    | 57.4    | 59.7     | 62.5     | 62.9     | 63.2     | 62.2     | 63.2     | 62.7     |
| GE 12000   | 55.1    | 57.1    | 58.9    | 61.3     | 64.2     | 64.5     | 64.7     | 65.0     | 65.7     | 65.3     |
| GE 10000   | 57.4    | 61.0    | 63.0    | 65.4     | 68.2     | 68.5     | 68.7     | 69.2     | 70.2     | 69.4     |
| GE 9000    | 58.3    | 61.2    | 63.2    | 65.5     | 68.5     | 68.5     | 68.1     | 68.7     | 69.7     | 70.0     |
| GE 8000    | 61.8    | 64.2    | 66.2    | 68.6     | 71.8     | 72.2     | 72.3     | 72.7     | 73.7     | 72.3     |
| GE 7000    | 62.5    | 65.1    | 67.1    | 69.5     | 72.7     | 73.2     | 73.3     | 73.7     | 74.7     | 73.7     |
| GE 6000    | 63.7    | 66.2    | 68.5    | 71.1     | 74.3     | 74.5     | 74.3     | 75.5     | 76.5     | 75.5     |
| GE 5000    | 65.3    | 67.0    | 69.3    | 72.2     | 75.2     | 75.7     | 75.7     | 77.2     | 78.2     | 77.4     |
| GE 4500    | 66.1    | 68.5    | 71.2    | 74.0     | 77.7     | 77.2     | 77.2     | 78.2     | 79.2     | 78.2     |
| GE 4000    | 67.6    | 70.3    | 72.7    | 75.5     | 79.4     | 79.7     | 79.7     | 80.2     | 81.2     | 80.2     |
| GE 3500    | 67.7    | 70.3    | 73.1    | 75.9     | 79.2     | 79.1     | 79.3     | 81.0     | 81.2     | 81.1     |
| GE 3000    | 68.7    | 71.5    | 74.2    | 77.0     | 80.2     | 81.4     | 81.0     | 82.4     | 83.4     | 82.5     |
| GE 2500    | 69.7    | 72.5    | 75.1    | 78.1     | 82.0     | 82.5     | 83.1     | 83.7     | 84.7     | 83.7     |
| GE 2000    | 69.9    | 72.7    | 75.3    | 78.3     | 82.3     | 82.5     | 83.3     | 83.9     | 84.9     | 84.9     |
| GE 1800    | 69.9    | 72.7    | 75.3    | 78.3     | 82.3     | 82.3     | 83.3     | 83.9     | 84.9     | 84.9     |
| GE 1600    | 70.2    | 73.1    | 75.5    | 78.3     | 83.0     | 83.0     | 83.2     | 84.5     | 84.9     | 84.7     |
| GE 1200    | 70.4    | 73.2    | 75.5    | 78.2     | 83.1     | 83.7     | 83.2     | 84.7     | 84.7     | 84.7     |
| GE 1000    | 70.3    | 73.3    | 75.0    | 78.0     | 83.3     | 83.3     | 84.4     | 84.4     | 84.3     | 84.1     |
| GE 900     | 70.5    | 73.4    | 75.3    | 78.5     | 83.5     | 84.3     | 84.3     | 85.5     | 85.5     | 85.5     |
| GE 800     | 71.2    | 73.2    | 75.7    | 79.0     | 84.2     | 84.7     | 85.2     | 85.5     | 86.5     | 85.5     |
| GE 700     | 71.2    | 74.4    | 77.3    | 80.5     | 84.2     | 84.2     | 85.3     | 85.3     | 86.3     | 85.7     |
| GE 600     | 71.3    | 74.5    | 77.5    | 81.1     | 85.5     | 85.2     | 85.2     | 87.3     | 87.3     | 87.3     |
| GE 500     | 71.3    | 75.1    | 78.2    | 81.9     | 87.0     | 87.7     | 88.3     | 88.3     | 89.3     | 89.3     |
| GE 420     | 72.3    | 75.7    | 78.3    | 82.3     | 88.1     | 89.0     | 89.7     | 89.0     | 90.5     | 91.5     |
| GE 300     | 72.4    | 75.7    | 79.0    | 82.2     | 88.5     | 89.5     | 89.3     | 91.2     | 91.3     | 92.2     |
| GE 200     | 72.4    | 75.3    | 79.2    | 83.1     | 88.7     | 89.3     | 89.3     | 91.2     | 92.2     | 93.4     |
| GE 100     | 72.4    | 75.3    | 79.2    | 83.1     | 88.7     | 89.8     | 89.3     | 91.2     | 92.3     | 93.3     |
| GE 000     | 72.4    | 75.5    | 79.2    | 83.1     | 89.7     | 89.2     | 90.3     | 91.2     | 92.3     | 93.5     |

.....  
TOTAL NUMBER OF OBSERVATIONS 930

PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: JUL HOURS: 00-02

7 - 2 - 56

OPERATING LOCATION: WAFB  
USAF TAC, ARNHEM, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM 0000 TO 0000

STATION NUMBER: 72015

STATION NAME: PHASE 4F111

EST. TO WTC: + 6

CEILING

VISIBILITY IN STATUTE MILES

11 12 13 14 15 16 17 18 19 20 21  
FEET 7 8 9 10 11 12 13 14 15 16 17

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 41.5 | 42.2 | 44.3 | 45.8 | 48.3 | 49.1 | 49.7 | 50.1 | 50.5 | 50.5 |
| GE 20000 | 44.4 | 45.5 | 47.1 | 50.1 | 52.7 | 53.5 | 54.0 | 54.4 | 54.7 | 54.9 |
| GE 12000 | 45.2 | 45.9 | 47.4 | 50.4 | 53.0 | 54.1 | 54.3 | 54.7 | 54.1 | 54.5 |
| GE 15000 | 45.3 | 46.9 | 47.4 | 50.4 | 53.1 | 54.2 | 54.1 | 54.7 | 54.7 | 54.7 |
| GE 14000 | 45.5 | 47.1 | 48.5 | 50.2 | 53.4 | 54.7 | 54.4 | 54.1 | 54.4 | 54.7 |
| GE 12000 | 47.2 | 47.2 | 50.3 | 52.5 | 55.2 | 56.2 | 57.1 | 57.1 | 56.5 | 57.1 |
| GE 10000 | 50.4 | 52.3 | 54.2 | 55.5 | 57.2 | 57.9 | 58.3 | 58.5 | 58.5 | 58.7 |
| GE 2000  | 51.1 | 52.5 | 54.5 | 56.3 | 57.5 | 58.7 | 58.3 | 58.4 | 58.1 | 58.7 |
| GE 1000  | 53.2 | 55.4 | 57.4 | 58.2 | 58.7 | 58.2 | 58.2 | 58.1 | 58.5 | 58.5 |
| GE 7000  | 55.3 | 57.4 | 58.7 | 58.4 | 58.2 | 58.7 | 58.5 | 58.5 | 58.1 | 58.2 |
| GE 6000  | 55.3 | 58.7 | 58.5 | 58.2 | 57.1 | 58.5 | 58.7 | 58.2 | 58.1 | 58.3 |
| GE 5000  | 57.3 | 58.1 | 58.7 | 58.5 | 58.5 | 58.3 | 58.4 | 58.5 | 58.5 | 58.5 |
| GE 4500  | 57.3 | 58.3 | 59.1 | 57.3 | 58.5 | 58.2 | 58.1 | 58.2 | 58.5 | 58.1 |
| GE 4000  | 57.5 | 58.1 | 59.7 | 58.5 | 58.5 | 58.2 | 58.2 | 58.2 | 58.5 | 58.5 |
| GE 3500  | 58.2 | 58.7 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.5 | 58.2 | 58.7 |
| GE 3000  | 58.4 | 58.5 | 58.7 | 58.2 | 58.5 | 58.3 | 58.1 | 58.2 | 58.7 | 58.1 |
| GE 2500  | 58.5 | 58.5 | 58.2 | 58.5 | 58.2 | 58.4 | 58.5 | 58.2 | 58.2 | 58.5 |
| GE 2000  | 58.2 | 58.5 | 58.5 | 58.2 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 1800  | 58.2 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 1500  | 58.4 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 1200  | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 1000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 800   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 700   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 600   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 500   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 400   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 300   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 200   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 100   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |
| GE 000   | 58.5 | 58.5 | 58.5 | 58.5 | 58.2 | 58.7 | 58.7 | 58.1 | 58.5 | 58.5 |

TOTAL NUMBER OF OBSERVATIONS 930

ACQUISITION OF RECORDS: JUL 79 - JUN 80  
ACQUISITION OF RECORDS: 03-05

B



OPERATING LOCATION: WAM  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL  
AND VISIBILITY DATA

STATION NUMBER: 733056

STATION NAME: PEASE AFB NH  
LST TIME: + 5

P. 11/7

ADMIN: 1

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>4 | GE<br>3 | GE<br>1 1/2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|-------------|-------------|---------|
| NO CEIL    | 40.7    | 41.6    | 44.5    | 45.4    | 48.5    | 49.1        | 57.1        | 49.7        | 51.1    |
| GE 20000   | 46.4    | 47.3    | 51.2    | 53.3    | 55.2    | 56.1        | 57.2        | 57.7        | 57.7    |
| GE 18000   | 46.1    | 46.1    | 52.0    | 54.2    | 57.1    | 57.5        | 57.7        | 57.4        | 57.7    |
| GE 16000   | 46.1    | 46.1    | 52.0    | 54.2    | 57.2    | 57.7        | 57.5        | 57.5        | 57.7    |
| GE 14000   | 46.5    | 46.4    | 52.5    | 54.2    | 57.5    | 57.2        | 57.2        | 57.2        | 57.2    |
| GE 12000   | 47.1    | 47.1    | 55.2    | 57.4    | 59.4    | 61.3        | 61.1        | 61.7        | 61.3    |
| GE 10000   | 51.7    | 53.7    | 57.5    | 59.5    | 63.1    | 64.4        | 64.5        | 65.4        | 65.7    |
| GE 8000    | 51.7    | 53.7    | 59.3    | 61.2    | 64.3    | 64.9        | 64.5        | 65.1        | 65.5    |
| GE 6000    | 54.2    | 57.4    | 60.4    | 65.4    | 64.5    | 64.1        | 64.7        | 70.2        | 71.5    |
| GE 4000    | 56.7    | 57.2    | 64.1    | 67.3    | 70.4    | 71.1        | 71.5        | 72.4        | 72.7    |
| GE 3000    | 57.5    | 59.5    | 65.1    | 68.5    | 71.5    | 72.5        | 73.0        | 75.7        | 74.1    |
| GE 2000    | 54.4    | 57.7    | 67.1    | 70.1    | 74.2    | 74.5        | 74.5        | 75.1        | 74.5    |
| GE 1800    | 55.5    | 57.7    | 68.5    | 72.4    | 75.9    | 75.5        | 77.1        | 77.7        | 74.2    |
| GE 1600    | 51.7    | 54.5    | 70.2    | 74.2    | 73.9    | 74.5        | 74.2        | 74.5        | 74.5    |
| GE 1400    | 52.4    | 55.1    | 71.2    | 75.1    | 74.9    | 73.5        | 73.2        | 73.2        | 73.2    |
| GE 1200    | 52.5    | 55.3    | 71.5    | 75.5    | 77.9    | 75.5        | 71.2        | 71.4        | 72.5    |
| GE 1000    | 52.7    | 55.7    | 71.1    | 75.9    | 80.1    | 80.5        | 81.4        | 82.2        | 82.5    |
| GE 800     | 52.7    | 55.7    | 72.0    | 76.3    | 80.4    | 81.1        | 81.7        | 82.5        | 82.5    |
| GE 600     | 55.0    | 56.0    | 72.3    | 75.6    | 80.5    | 81.3        | 81.9        | 82.7        | 83.0    |
| GE 400     | 53.4    | 56.6    | 72.3    | 77.1    | 81.2    | 81.9        | 82.4        | 83.3        | 83.7    |
| GE 200     | 53.7    | 56.6    | 73.7    | 77.3    | 81.4    | 82.2        | 82.9        | 83.7        | 84.9    |
| GE 1000    | 54.0    | 57.1    | 73.3    | 77.5    | 81.7    | 82.5        | 83.2        | 84.1        | 84.4    |
| GE 800     | 54.3    | 57.7    | 74.5    | 78.3    | 82.4    | 83.2        | 83.9        | 84.7        | 85.1    |
| GE 600     | 54.7    | 58.0    | 74.2    | 78.5    | 82.7    | 83.3        | 84.4        | 85.3        | 85.7    |
| GE 400     | 54.4    | 58.1    | 74.5    | 79.2    | 83.4    | 84.4        | 85.1        | 85.2        | 85.3    |
| GE 200     | 54.2    | 58.2    | 74.9    | 79.9    | 84.1    | 85.2        | 85.9        | 86.7        | 87.1    |
| GE 1000    | 55.2    | 58.5    | 75.3    | 80.2    | 84.5    | 85.7        | 86.3        | 87.4        | 87.7    |
| GE 800     | 55.2    | 58.5    | 75.9    | 80.9    | 85.3    | 86.7        | 87.7        | 88.7        | 89.1    |
| GE 600     | 55.2    | 58.5    | 75.9    | 81.1    | 85.5    | 87.5        | 88.9        | 91.5        | 93.5    |
| GE 400     | 55.2    | 58.5    | 75.9    | 81.2    | 85.5    | 87.5        | 89.2        | 91.5        | 93.7    |
| GE 200     | 55.2    | 58.5    | 75.9    | 81.2    | 85.5    | 87.5        | 89.2        | 91.5        | 93.7    |
| GE 100     | 55.2    | 58.5    | 75.9    | 81.2    | 85.5    | 87.5        | 89.2        | 91.5        | 93.7    |
| GE 000     | 55.2    | 58.5    | 75.9    | 81.2    | 85.5    | 87.5        | 89.2        | 91.5        | 93.7    |

.....  
TOTAL NUMBER OF OBSERVATIONS 930

1  
1  
1

10

.....

1. IDENTITY IN STATISTICAL FILES

.....

OPERATING LOCATION: WAM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
AS IN TOTAL OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE ARB IN  
LOT 12 DIG: + 5

PERIOD  
MONTH: 0

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>1 | GE<br>2 | GE<br>3 | GE<br>4 | GE<br>5 | GE<br>6 | GE<br>7 | GE<br>8 | GE<br>9 | GE<br>10 |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 47.3 | 49.5 | 51.5 | 52.5 | 53.1 | 53.1 | 53.3 | 53.3 | 53.3 | 54.3 |
|---------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 20000 | 53.7 | 56.2 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 10000 | 54.3 | 56.9 | 59.7 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 15000 | 54.4 | 57.0 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 14000 | 54.2 | 57.5 | 59.5 | 61.5 | 62.2 | 62.2 | 62.4 | 62.4 | 62.4 | 62.5 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 12000 | 55.3 | 57.3 | 61.5 | 62.3 | 63.4 | 63.4 | 63.7 | 63.7 | 63.7 | 63.7 |
|----------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 10000 | 57.2 | 63.1 | 67.0 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
|----------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 8000 | 60.4 | 63.7 | 67.0 | 68.5 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 6000 | 64.4 | 67.5 | 72.3 | 73.7 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 7000 | 64.3 | 67.5 | 72.3 | 74.3 | 74.9 | 74.9 | 75.2 | 75.2 | 75.2 | 75.2 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 5000 | 67.4 | 68.9 | 73.3 | 74.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 4000 | 66.3 | 71.4 | 75.1 | 76.7 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 4500 | 67.7 | 71.3 | 75.3 | 77.5 | 78.3 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 4200 | 67.5 | 72.4 | 77.2 | 78.5 | 79.7 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 3500 | 69.4 | 73.4 | 78.5 | 80.1 | 81.0 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 3200 | 70.5 | 74.7 | 79.3 | 81.3 | 83.0 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 2500 | 73.3 | 74.5 | 80.5 | 82.0 | 83.2 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 2300 | 71.3 | 75.3 | 80.4 | 82.5 | 83.1 | 84.1 | 84.4 | 84.4 | 84.4 | 84.4 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1800 | 71.3 | 75.3 | 80.4 | 82.5 | 83.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1500 | 71.3 | 75.1 | 81.3 | 83.5 | 84.2 | 85.4 | 85.7 | 85.7 | 85.7 | 85.7 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1200 | 72.3 | 77.2 | 82.4 | 84.7 | 85.2 | 85.7 | 87.5 | 87.5 | 87.5 | 87.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1000 | 73.2 | 78.0 | 83.1 | 85.5 | 87.7 | 88.2 | 88.5 | 88.5 | 88.5 | 88.5 |
|---------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 800 | 73.5 | 78.3 | 84.1 | 86.3 | 89.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 700 | 74.2 | 79.2 | 84.4 | 87.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 600 | 74.5 | 79.3 | 85.1 | 87.3 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 500 | 74.7 | 80.1 | 85.5 | 88.5 | 91.4 | 91.3 | 92.3 | 92.7 | 92.5 | 93.1 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 400 | 75.1 | 80.5 | 85.2 | 89.5 | 92.5 | 93.1 | 94.1 | 94.7 | 94.1 | 95.2 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 300 | 75.2 | 80.5 | 85.5 | 89.4 | 93.3 | 94.2 | 95.5 | 96.5 | 97.2 | 97.5 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 200 | 75.2 | 80.5 | 85.5 | 89.3 | 93.2 | 94.2 | 95.3 | 97.2 | 94.3 | 94.7 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 100 | 75.2 | 80.5 | 85.5 | 89.3 | 93.3 | 94.2 | 95.3 | 97.4 | 95.2 | 99.1 |
|--------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 000 | 75.2 | 80.5 | 85.5 | 89.3 | 93.3 | 94.2 | 95.3 | 97.4 | 95.2 | 99.1 |
|--------|------|------|------|------|------|------|------|------|------|------|

TOTAL NUMBER OF OBSERVATIONS 930

0 - 2 - 33

A

50. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM LOCAL OBSERVATIONS

| STATION                     |      | PERIOD OF RECORD: JUL 79 - JUN 80 |       |       |       |      |       |       |       |       |
|-----------------------------|------|-----------------------------------|-------|-------|-------|------|-------|-------|-------|-------|
|                             |      | MONTH: JUL HOURS: 00-11           |       |       |       |      |       |       |       |       |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |
| VISIBILITY IN STATUTE MILES |      |                                   |       |       |       |      |       |       |       |       |
| 1/2                         | 3/4  | 1                                 | 1 1/4 | 1 1/2 | 1 3/4 | 2    | 2 1/4 | 2 1/2 | 2 3/4 | 3     |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |
| 53.1                        | 53.3 | 53.3                              | 53.3  | 53.3  | 53.3  | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  |
| 53.5                        | 53.9 | 53.9                              | 53.9  | 53.9  | 53.9  | 53.9 | 53.9  | 53.9  | 53.9  | 53.9  |
| 51.3                        | 51.5 | 51.5                              | 51.5  | 51.5  | 51.5  | 51.5 | 51.5  | 51.5  | 51.5  | 51.5  |
| 51.5                        | 51.5 | 51.5                              | 51.5  | 51.5  | 51.5  | 51.5 | 51.5  | 51.5  | 51.5  | 51.5  |
| 52.2                        | 52.4 | 52.4                              | 52.4  | 52.4  | 52.4  | 52.4 | 52.4  | 52.4  | 52.4  | 52.4  |
| 53.5                        | 53.7 | 53.7                              | 53.7  | 53.7  | 53.7  | 53.7 | 53.7  | 53.7  | 53.7  | 53.7  |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |
| 69.3                        | 69.3 | 69.3                              | 69.3  | 69.3  | 69.3  | 69.3 | 69.3  | 69.3  | 69.3  | 69.3  |
| 69.7                        | 69.7 | 69.7                              | 69.7  | 69.7  | 69.7  | 69.7 | 69.7  | 69.7  | 69.7  | 69.7  |
| 74.3                        | 74.5 | 74.5                              | 74.5  | 74.5  | 74.5  | 74.5 | 74.5  | 74.5  | 74.5  | 74.5  |
| 75.2                        | 75.2 | 75.2                              | 75.2  | 75.2  | 75.2  | 75.2 | 75.2  | 75.2  | 75.2  | 75.2  |
| 75.5                        | 75.5 | 75.5                              | 75.5  | 75.5  | 75.5  | 75.5 | 75.5  | 75.5  | 75.5  | 75.5  |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |
| 77.5                        | 77.5 | 77.5                              | 77.5  | 77.5  | 77.5  | 77.5 | 77.5  | 77.5  | 77.5  | 77.5  |
| 78.5                        | 78.5 | 78.5                              | 78.5  | 78.5  | 78.5  | 78.5 | 78.5  | 78.5  | 78.5  | 78.5  |
| 80.1                        | 80.1 | 80.1                              | 80.1  | 80.1  | 80.1  | 80.1 | 80.1  | 80.1  | 80.1  | 80.1  |
| 81.5                        | 81.5 | 81.5                              | 81.5  | 81.5  | 81.5  | 81.5 | 81.5  | 81.5  | 81.5  | 81.5  |
| 83.7                        | 83.7 | 83.7                              | 83.7  | 83.7  | 83.7  | 83.7 | 83.7  | 83.7  | 83.7  | 83.7  |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |
| 83.9                        | 83.9 | 83.9                              | 83.9  | 83.9  | 83.9  | 83.9 | 83.9  | 83.9  | 83.9  | 83.9  |
| 84.5                        | 84.5 | 84.5                              | 84.5  | 84.5  | 84.5  | 84.5 | 84.5  | 84.5  | 84.5  | 84.5  |
| 84.5                        | 84.5 | 84.5                              | 84.5  | 84.5  | 84.5  | 84.5 | 84.5  | 84.5  | 84.5  | 84.5  |
| 85.7                        | 85.7 | 85.7                              | 85.7  | 85.7  | 85.7  | 85.7 | 85.7  | 85.7  | 85.7  | 85.7  |
| 87.1                        | 87.1 | 87.1                              | 87.1  | 87.1  | 87.1  | 87.1 | 87.1  | 87.1  | 87.1  | 87.1  |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |
| 88.7                        | 88.7 | 88.7                              | 88.7  | 88.7  | 88.7  | 88.7 | 88.7  | 88.7  | 88.7  | 88.7  |
| 89.9                        | 89.9 | 89.9                              | 89.9  | 89.9  | 89.9  | 89.9 | 89.9  | 89.9  | 89.9  | 89.9  |
| 90.4                        | 90.4 | 90.4                              | 90.4  | 90.4  | 90.4  | 90.4 | 90.4  | 90.4  | 90.4  | 90.4  |
| 91.7                        | 91.7 | 91.7                              | 91.7  | 91.7  | 91.7  | 91.7 | 91.7  | 91.7  | 91.7  | 91.7  |
| 93.1                        | 93.1 | 93.1                              | 93.1  | 93.1  | 93.1  | 93.1 | 93.1  | 93.1  | 93.1  | 93.1  |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |
| 95.2                        | 95.2 | 95.2                              | 95.2  | 95.2  | 95.2  | 95.2 | 95.2  | 95.2  | 95.2  | 95.2  |
| 97.5                        | 97.5 | 97.5                              | 97.5  | 97.5  | 97.5  | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  |
| 98.7                        | 98.7 | 98.7                              | 98.7  | 98.7  | 98.7  | 98.7 | 98.7  | 98.7  | 98.7  | 98.7  |
| 99.5                        | 99.5 | 99.5                              | 99.5  | 99.5  | 99.5  | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  |
| 99.5                        | 99.5 | 99.5                              | 99.5  | 99.5  | 99.5  | 99.5 | 99.5  | 99.5  | 99.5  | 100.0 |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |
| 99.5                        | 99.5 | 99.5                              | 99.5  | 99.5  | 99.5  | 99.5 | 99.5  | 99.5  | 99.5  | 100.0 |
| .....                       |      |                                   |       |       |       |      |       |       |       |       |

OPERATING LOCATION: WAM  
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
BY VISIBILITY DISTANCE

STATION NUMBER: 728055

STATION NAME: ROAD AHEAD  
LST TO UTC: + 5

PERIOD: 1  
DATE: 1

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 7    | 8    | 9    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  |
|------------|------|------|------|------|------|-------|------|-------|-------|------|------|
| NO CEIL    | 46.6 | 48.7 | 49.1 | 50.4 | 50.8 | 50.8  | 50.7 | 50.8  | 50.8  | 50.7 | 50.7 |
| GE 20000   | 50.4 | 51.1 | 52.9 | 53.5 | 53.9 | 53.9  | 53.9 | 53.9  | 53.9  | 53.9 | 53.9 |
| GE 18000   | 50.4 | 51.1 | 52.9 | 53.5 | 53.9 | 53.9  | 53.9 | 53.9  | 53.9  | 53.9 | 53.9 |
| GE 16000   | 50.4 | 51.1 | 52.9 | 53.5 | 53.9 | 53.9  | 53.9 | 53.9  | 53.9  | 53.9 | 53.9 |
| GE 14000   | 50.4 | 51.7 | 53.3 | 54.2 | 54.5 | 54.5  | 54.5 | 54.5  | 54.5  | 54.5 | 54.5 |
| GE 12000   | 50.4 | 53.3 | 56.4 | 56.9 | 56.3 | 56.3  | 56.3 | 56.3  | 56.3  | 56.3 | 56.3 |
| GE 10000   | 56.4 | 57.1 | 70.6 | 71.1 | 71.5 | 71.5  | 71.5 | 71.5  | 71.5  | 71.5 | 71.5 |
| GE 9000    | 56.4 | 57.7 | 71.4 | 72.0 | 72.5 | 72.5  | 72.5 | 72.5  | 72.5  | 72.5 | 72.5 |
| GE 8000    | 56.4 | 72.4 | 74.3 | 75.5 | 75.1 | 75.1  | 75.1 | 75.1  | 75.1  | 75.1 | 75.1 |
| GE 7000    | 56.4 | 72.5 | 75.1 | 75.5 | 75.5 | 75.5  | 75.5 | 75.5  | 75.5  | 75.5 | 75.5 |
| GE 6000    | 59.3 | 73.4 | 75.7 | 77.3 | 77.0 | 77.0  | 77.0 | 77.0  | 77.0  | 77.0 | 77.0 |
| GE 5000    | 71.2 | 74.7 | 77.1 | 79.2 | 79.4 | 79.4  | 79.4 | 79.4  | 79.4  | 79.4 | 79.4 |
| GE 4500    | 71.2 | 75.2 | 77.5 | 79.7 | 80.3 | 80.3  | 80.3 | 80.3  | 80.3  | 80.3 | 80.3 |
| GE 4000    | 72.3 | 75.5 | 79.0 | 81.1 | 82.0 | 82.2  | 82.3 | 82.3  | 82.3  | 82.3 | 82.3 |
| GE 3500    | 74.3 | 77.9 | 82.5 | 83.9 | 84.3 | 84.3  | 84.3 | 84.3  | 84.3  | 84.3 | 84.3 |
| GE 3000    | 75.3 | 81.2 | 84.5 | 86.2 | 87.2 | 87.3  | 87.5 | 87.5  | 87.5  | 87.5 | 87.5 |
| GE 2500    | 77.3 | 81.5 | 85.5 | 87.0 | 88.7 | 89.1  | 89.5 | 89.5  | 89.5  | 89.5 | 89.5 |
| GE 2000    | 78.4 | 82.9 | 85.8 | 86.3 | 89.5 | 89.4  | 89.4 | 89.4  | 89.4  | 89.4 | 89.4 |
| GE 1800    | 78.7 | 83.2 | 87.1 | 87.5 | 90.0 | 90.3  | 90.3 | 90.3  | 90.3  | 90.3 | 90.3 |
| GE 1600    | 79.2 | 83.5 | 87.7 | 89.4 | 91.0 | 91.3  | 91.5 | 91.5  | 91.5  | 91.5 | 91.5 |
| GE 1200    | 80.3 | 84.7 | 87.7 | 90.3 | 91.9 | 92.3  | 92.5 | 92.5  | 92.5  | 92.5 | 92.5 |
| GE 1000    | 80.3 | 84.2 | 87.7 | 90.5 | 92.4 | 92.7  | 93.0 | 93.0  | 93.0  | 93.0 | 93.0 |
| GE 800     | 80.6 | 85.3 | 88.2 | 91.0 | 92.3 | 93.3  | 93.5 | 93.5  | 93.5  | 93.5 | 93.5 |
| GE 600     | 80.6 | 85.7 | 89.7 | 91.5 | 93.7 | 94.5  | 94.9 | 95.5  | 95.5  | 95.5 | 95.5 |
| GE 700     | 80.6 | 85.7 | 89.5 | 91.5 | 93.5 | 94.7  | 95.2 | 95.5  | 95.5  | 95.5 | 95.5 |
| GE 500     | 81.2 | 85.3 | 90.3 | 92.3 | 94.5 | 95.5  | 96.0 | 96.7  | 96.7  | 96.7 | 96.7 |
| GE 400     | 81.4 | 85.7 | 90.5 | 92.3 | 95.4 | 95.5  | 97.2 | 98.2  | 98.2  | 98.2 | 98.2 |
| GE 300     | 81.4 | 85.7 | 90.5 | 92.5 | 95.5 | 95.5  | 98.0 | 98.0  | 98.0  | 98.0 | 98.0 |
| GE 200     | 81.4 | 85.7 | 90.5 | 92.9 | 95.5 | 97.0  | 98.1 | 99.2  | 99.5  | 99.5 | 99.5 |
| GE 100     | 81.4 | 85.7 | 90.5 | 92.9 | 95.5 | 97.0  | 98.1 | 99.2  | 99.5  | 99.5 | 99.5 |
| GE 500     | 81.4 | 86.7 | 90.5 | 92.9 | 95.5 | 97.0  | 98.1 | 99.2  | 99.5  | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 930

0 - 2 - 00

A

PERIOD OF RECORD: JUL 74 - JUL 75  
MONTH: JUL YEARS: 13-14

|     | 1/2 | 1    | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    |
|-----|-----|------|-------|------|------|------|------|------|------|------|------|
| 0.0 | 0.0 | 0.0  | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 0.1 | 0.1 | 0.2  | 0.3   | 0.4  | 0.5  | 0.6  | 0.7  | 0.8  | 0.9  | 1.0  | 1.1  |
| 0.2 | 0.2 | 0.4  | 0.6   | 0.8  | 1.0  | 1.2  | 1.4  | 1.6  | 1.8  | 2.0  | 2.2  |
| 0.3 | 0.3 | 0.6  | 1.0   | 1.4  | 1.8  | 2.2  | 2.6  | 3.0  | 3.4  | 3.8  | 4.2  |
| 0.4 | 0.4 | 0.8  | 1.4   | 2.0  | 2.6  | 3.2  | 3.8  | 4.4  | 5.0  | 5.6  | 6.2  |
| 0.5 | 0.5 | 1.0  | 1.8   | 2.6  | 3.4  | 4.2  | 5.0  | 5.8  | 6.6  | 7.4  | 8.2  |
| 0.6 | 0.6 | 1.2  | 2.2   | 3.2  | 4.2  | 5.2  | 6.2  | 7.2  | 8.2  | 9.2  | 10.2 |
| 0.7 | 0.7 | 1.4  | 2.6   | 3.8  | 5.0  | 6.2  | 7.4  | 8.6  | 9.8  | 11.0 | 12.2 |
| 0.8 | 0.8 | 1.6  | 3.0   | 4.4  | 5.8  | 7.2  | 8.6  | 10.0 | 11.4 | 12.8 | 14.2 |
| 0.9 | 0.9 | 1.8  | 3.4   | 5.0  | 6.6  | 8.2  | 9.8  | 11.4 | 13.0 | 14.6 | 16.2 |
| 1.0 | 2.0 | 4.0  | 6.0   | 8.0  | 10.0 | 12.0 | 14.0 | 16.0 | 18.0 | 20.0 | 22.0 |
| 1.1 | 2.2 | 4.4  | 6.6   | 8.8  | 11.0 | 13.2 | 15.4 | 17.6 | 19.8 | 22.0 | 24.2 |
| 1.2 | 2.4 | 4.8  | 7.2   | 9.6  | 12.0 | 14.4 | 16.8 | 19.2 | 21.6 | 24.0 | 26.4 |
| 1.3 | 2.6 | 5.2  | 7.8   | 10.4 | 12.8 | 15.2 | 17.6 | 20.0 | 22.4 | 24.8 | 27.2 |
| 1.4 | 2.8 | 5.6  | 8.4   | 11.2 | 13.6 | 16.0 | 18.4 | 20.8 | 23.2 | 25.6 | 28.0 |
| 1.5 | 3.0 | 6.0  | 9.0   | 12.0 | 14.4 | 16.8 | 19.2 | 21.6 | 24.0 | 26.4 | 28.8 |
| 1.6 | 3.2 | 6.4  | 9.6   | 12.8 | 15.2 | 17.6 | 20.0 | 22.4 | 24.8 | 27.2 | 29.6 |
| 1.7 | 3.4 | 6.8  | 10.2  | 13.6 | 16.0 | 18.4 | 20.8 | 23.2 | 25.6 | 28.0 | 30.4 |
| 1.8 | 3.6 | 7.2  | 10.8  | 14.4 | 16.8 | 19.2 | 21.6 | 24.0 | 26.4 | 28.8 | 31.2 |
| 1.9 | 3.8 | 7.6  | 11.4  | 15.2 | 17.6 | 20.0 | 22.4 | 24.8 | 27.2 | 29.6 | 32.0 |
| 2.0 | 4.0 | 8.0  | 12.0  | 16.0 | 18.4 | 20.8 | 23.2 | 25.6 | 28.0 | 30.4 | 32.8 |
| 2.1 | 4.2 | 8.4  | 12.6  | 16.8 | 19.2 | 21.6 | 24.0 | 26.4 | 28.8 | 31.2 | 33.6 |
| 2.2 | 4.4 | 8.8  | 13.2  | 17.6 | 20.0 | 22.4 | 24.8 | 27.2 | 29.6 | 32.0 | 34.4 |
| 2.3 | 4.6 | 9.2  | 13.8  | 18.4 | 20.8 | 23.2 | 25.6 | 28.0 | 30.4 | 32.8 | 35.2 |
| 2.4 | 4.8 | 9.6  | 14.4  | 19.2 | 21.6 | 24.0 | 26.4 | 28.8 | 31.2 | 33.6 | 36.0 |
| 2.5 | 5.0 | 10.0 | 15.0  | 20.0 | 22.4 | 24.8 | 27.2 | 29.6 | 32.0 | 34.4 | 36.8 |
| 2.6 | 5.2 | 10.4 | 15.6  | 20.8 | 23.2 | 25.6 | 28.0 | 30.4 | 32.8 | 35.2 | 37.6 |
| 2.7 | 5.4 | 10.8 | 16.2  | 21.6 | 24.0 | 26.4 | 28.8 | 31.2 | 33.6 | 36.0 | 38.4 |
| 2.8 | 5.6 | 11.2 | 16.8  | 22.4 | 24.8 | 27.2 | 29.6 | 32.0 | 34.4 | 36.8 | 39.2 |
| 2.9 | 5.8 | 11.6 | 17.4  | 23.2 | 25.6 | 28.0 | 30.4 | 32.8 | 35.2 | 37.6 | 40.0 |
| 3.0 | 6.0 | 12.0 | 18.0  | 24.0 | 26.4 | 28.8 | 31.2 | 33.6 | 36.0 | 38.4 | 40.8 |
| 3.1 | 6.2 | 12.4 | 18.6  | 24.8 | 27.2 | 29.6 | 32.0 | 34.4 | 36.8 | 39.2 | 41.6 |
| 3.2 | 6.4 | 12.8 | 19.2  | 25.6 | 28.0 | 30.4 | 32.8 | 35.2 | 37.6 | 40.0 | 42.4 |
| 3.3 | 6.6 | 13.2 | 19.8  | 26.4 | 28.8 | 31.2 | 33.6 | 36.0 | 38.4 | 40.8 | 43.2 |
| 3.4 | 6.8 | 13.6 | 20.4  | 27.2 | 29.6 | 32.0 | 34.4 | 36.8 | 39.2 | 41.6 | 44.0 |
| 3.5 | 7.0 | 14.0 | 21.0  | 28.0 | 30.4 | 32.8 | 35.2 | 37.6 | 40.0 | 42.4 | 44.8 |
| 3.6 | 7.2 | 14.4 | 21.6  | 28.8 | 31.2 | 33.6 | 36.0 | 38.4 | 40.8 | 43.2 | 45.6 |
| 3   |     |      |       |      |      |      |      |      |      |      |      |







OPERATING LOCATION NAME  
USAFSTAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLIMATICALLY UNUSUAL CONDITIONS

STATION NUMBER: 726055

STATION NAME: PLANE AREA IN

PERIOD

LAST MONTH: + 2

MINI:

CEILING

VISIBILITY IN STATUTE MILES

| IN FEET | 35 | 45 | 55 | 65 | 75 | 85 | 95 | 105 | 115 | 125 | 135 |
|---------|----|----|----|----|----|----|----|-----|-----|-----|-----|
|         | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14  | 15  | 16  | 17  |

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 42.7 | 44.2 | 45.4 | 46.4 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 20000 | 52.5 | 54.3 | 55.2 | 56.1 | 57.1 | 57.1 | 57.1 | 57.4 | 57.4 | 57.4 | 57.4 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 15000 | 52.5 | 54.4 | 55.3 | 56.2 | 57.2 | 57.2 | 57.2 | 57.5 | 57.5 | 57.5 | 57.5 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 10000 | 52.5 | 54.4 | 55.3 | 56.2 | 57.2 | 57.2 | 57.2 | 57.5 | 57.5 | 57.5 | 57.5 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 7500 | 52.5 | 54.4 | 55.3 | 56.2 | 57.2 | 57.2 | 57.2 | 57.5 | 57.5 | 57.5 | 57.5 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 5000 | 52.5 | 54.4 | 55.3 | 56.2 | 57.2 | 57.2 | 57.2 | 57.5 | 57.5 | 57.5 | 57.5 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 10000 | 51.4 | 51.2 | 53.7 | 55.1 | 56.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 7500 | 51.4 | 51.2 | 53.3 | 55.7 | 56.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 5000 | 51.4 | 51.2 | 53.3 | 55.7 | 56.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 2500 | 51.4 | 51.1 | 51.2 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 5000 | 51.4 | 51.2 | 51.1 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 5000 | 51.4 | 51.1 | 51.2 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 4500 | 51.4 | 51.1 | 51.2 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 4000 | 51.4 | 51.2 | 51.5 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 3500 | 51.4 | 51.2 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 3000 | 51.4 | 51.2 | 51.3 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 2500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 2000 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 1500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 1000 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 1000 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 51.4 | 51.4 | 51.7 | 52.9 | 53.9 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

TOTAL PERCENTAGE OF UNUSUAL CONDITIONS

139

2 - 3 - 1

A

1. FREQUENCY OF OCCURRENCE OF CEILING-REVERSIS VISIBILITY  
IN 15 MINUTELY OBSERVATIONS

REF ID: A60880 JUL 72 - 391 14

DATE: JUL 400'S: 12-20

[illegible]

OPERATING LOCATION "A"  
USAF-TAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
CLOUDS AT 1000 FT. ELEVATION

STATION NUMBER: 72505

STATION NAME: PHASE 4800M

UNIT:

EST TO WIC: + 5

TIME:

CEILING

VISIBILITY IN STATUTE MILES

IN  
FEET 7 8 9 4 3 1 1/2 1 1/2 1 1/4 1

NO CIL 69.6 71.7 62.7 64.2 67.4 67.6 67.7 69.1 69.3 69.3

35 20000 67.4 67.7 69.1 61.9 65.7 65.9 65.2 65.3 65.3 65.3

35 15000 67.4 67.7 69.1 61.9 65.7 65.9 65.2 65.3 65.3 65.3

35 10000 67.4 67.7 69.1 61.9 65.7 65.9 65.2 65.3 65.3 65.3

35 14000 67.4 67.7 69.1 62.2 65.2 65.2 65.2 65.7 65.7 65.7

35 12000 67.6 69.1 62.6 64.3 67.7 69.0 69.1 69.5 69.5 69.5

35 10000 67.6 69.1 64.3 67.1 71.0 71.3 71.4 71.7 71.7 71.7

35 9000 67.1 69.6 65.3 67.7 71.6 71.6 71.6 71.7 71.7 71.7

35 8000 67.7 69.7 67.7 71.3 75.5 75.5 75.5 75.5 75.5 75.5

35 7000 67.7 69.7 69.3 72.7 75.2 75.2 75.2 77.1 77.1 77.1

35 6000 67.1 69.3 71.1 74.7 79.2 79.3 79.4 79.7 79.7 79.7

35 5000 67.4 69.3 71.2 75.5 79.9 79.9 79.9 79.9 79.9 79.9

35 4000 67.7 69.3 75.1 75.5 79.1 79.1 79.1 79.1 79.1 79.1

35 3000 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 3500 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 3000 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 2500 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 2000 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 1500 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 1200 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 1000 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 700 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 600 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 500 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 400 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 300 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 200 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

35 100 67.4 69.4 75.5 75.3 79.7 79.7 79.7 79.7 79.7 79.7

TOTAL NUMBER OF OBSERVATIONS 1037

### 3. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

4

PERIOD OF REPORT: JUL 79 - JUN 80

DATE: JUL 800-S: 21-23

ACTIVITY IN STATISTICAL WILDS

[illegible]

OPERATING LOCALITY NAME  
USAFETAC, ASH/VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CIL  
IN THE FOLLOWING CATEGORIES

STATION NUMBER: 735000

STATION NAME: PLANT A-100

CEILING: + 5

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 0 | 1 | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|------------|---|---|---|----|----|----|----|----|----|----|----|
| FEET       | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

| NO CIL | 43.5 | 47.2 | 48.5 | 50.0 | 51.5 | 51.7 | 52.0 | 52.2 | 53.3 | 53.5 |
|--------|------|------|------|------|------|------|------|------|------|------|
|--------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 20000 | 52.5 | 54.7 | 56.0 | 58.0 | 59.4 | 60.7 | 60.9 | 61.2 | 61.2 | 61.5 |
| GE 18000 | 52.5 | 54.9 | 57.2 | 58.7 | 60.7 | 61.0 | 61.2 | 61.5 | 61.5 | 61.5 |
| GE 16000 | 52.5 | 54.9 | 57.2 | 58.8 | 60.7 | 61.2 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 14000 | 53.2 | 55.3 | 57.7 | 59.2 | 61.2 | 61.2 | 61.2 | 62.1 | 62.2 | 62.7 |
| GE 12000 | 55.1 | 57.4 | 59.5 | 61.5 | 63.5 | 63.8 | 64.1 | 64.4 | 64.5 | 65.0 |

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 10000 | 57.5 | 59.2 | 61.1 | 63.0 | 65.7 | 66.1 | 66.2 | 66.2 | 66.2 | 66.7 |
| GE 8000  | 59.5 | 61.3 | 63.0 | 65.1 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 68.2 |
| GE 6000  | 61.5 | 63.2 | 65.0 | 67.0 | 69.1 | 71.1 | 71.7 | 71.7 | 71.7 | 72.2 |
| GE 4000  | 62.2 | 64.1 | 66.0 | 68.2 | 70.5 | 72.5 | 72.2 | 72.2 | 72.2 | 72.7 |
| GE 2000  | 63.0 | 64.9 | 67.1 | 69.2 | 71.5 | 73.5 | 73.3 | 73.3 | 73.3 | 73.8 |

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 5000 | 65.4 | 67.4 | 71.3 | 74.3 | 76.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.7 |
| GE 4000 | 66.3 | 68.3 | 73.0 | 76.4 | 78.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.9 |
| GE 3000 | 67.7 | 71.4 | 74.5 | 77.2 | 79.0 | 79.3 | 79.3 | 79.3 | 79.3 | 79.8 |
| GE 2000 | 68.7 | 72.3 | 75.3 | 78.0 | 81.7 | 82.2 | 82.2 | 82.2 | 82.2 | 82.7 |
| GE 1000 | 69.0 | 72.3 | 77.6 | 80.1 | 83.1 | 83.6 | 83.6 | 83.6 | 83.6 | 84.1 |

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 8000 | 70.4 | 73.9 | 76.9 | 80.7 | 83.5 | 84.3 | 84.7 | 84.7 | 84.7 | 85.2 |
| GE 6000 | 71.1 | 74.4 | 77.3 | 81.1 | 84.0 | 84.7 | 84.7 | 84.7 | 84.7 | 85.2 |
| GE 4000 | 72.2 | 74.7 | 77.3 | 81.0 | 84.7 | 85.2 | 85.2 | 85.2 | 85.2 | 85.7 |
| GE 2000 | 72.2 | 74.8 | 78.1 | 82.2 | 85.2 | 85.6 | 85.6 | 85.6 | 85.6 | 86.1 |
| GE 1000 | 71.7 | 75.3 | 78.7 | 82.5 | 85.6 | 86.1 | 86.1 | 86.1 | 86.1 | 86.6 |

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| GE 1000 | 71.4 | 75.6 | 78.3 | 82.4 | 85.4 | 87.1 | 87.1 | 87.1 | 87.1 | 87.6 |
| GE 800  | 72.1 | 75.2 | 78.2 | 83.1 | 85.7 | 87.3 | 87.7 | 87.7 | 87.7 | 88.2 |
| GE 600  | 72.3 | 75.2 | 78.0 | 83.0 | 85.8 | 87.4 | 87.7 | 87.7 | 87.7 | 88.2 |
| GE 400  | 72.3 | 75.2 | 78.0 | 83.0 | 85.8 | 87.4 | 87.7 | 87.7 | 87.7 | 88.2 |
| GE 200  | 72.3 | 75.2 | 78.0 | 83.0 | 85.8 | 87.4 | 87.7 | 87.7 | 87.7 | 88.2 |
| GE 100  | 72.3 | 75.2 | 78.0 | 83.0 | 85.8 | 87.4 | 87.7 | 87.7 | 87.7 | 88.2 |

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 500 | 73.1 | 77.1 | 81.7 | 85.4 | 89.0 | 90.7 | 91.1 | 91.1 | 91.1 | 91.6 |
| GE 400 | 73.1 | 77.3 | 81.7 | 85.7 | 89.3 | 91.0 | 91.7 | 91.7 | 91.7 | 92.2 |
| GE 300 | 73.2 | 77.3 | 81.9 | 85.8 | 89.4 | 91.1 | 91.7 | 91.7 | 91.7 | 92.2 |
| GE 200 | 73.2 | 77.3 | 82.0 | 85.8 | 89.4 | 91.1 | 91.7 | 91.7 | 91.7 | 92.2 |
| GE 100 | 73.2 | 77.3 | 82.0 | 85.8 | 89.4 | 91.1 | 91.7 | 91.7 | 91.7 | 92.2 |

|        |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|
| GE 500 | 73.2 | 77.3 | 82.0 | 85.8 | 89.4 | 91.1 | 91.7 | 91.7 | 91.7 | 92.2 |
|--------|------|------|------|------|------|------|------|------|------|------|

TOTAL NUMBER OF STATIONS 7440

PERIOD OF RECORD: JUL 74 - JUL 75  
MONTH: JUL 1975  
SOURCES: ALL

**B**

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLIMATE  
IN JULY 1957

1997

.. 7' T - :

VISIBILITY IN STAFFS' VIEWS

•

•

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 |
| 74.4 | 71.7 | 72.7 | 72.9 | 70.4 | 72.7 | 73.7 | 75.3 | 76.7 | 76.7 | 77.2 |

TOTAL 412 17 11 21115 100

A

# FREQUENCY OF OCCURRENCE OF CLIMING VERSUS VISIBILITY FROM AIRCRAFT OBSERVATIONS

PERIOD OF RECORD: JUL 74 - JUN 80

MONTH: AUG HOURS: 00-02

VISIBILITY IN STATUTE MILES

|       | 1 1/2 | 2     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 61.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  |
| 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  |
| 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  |
| 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  |
| 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  |
| 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  |
| 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  |
| 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  |
| 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  |
| 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  |
| 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  |
| 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  |
| 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  |
| 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  |
| 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  |
| 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  |
| 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
| 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  |
| 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  |
| 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  |
| 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  |
| 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  |
| 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  |
| 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  |
| 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  |
| 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  |
| 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  |
| 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |



OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE PROBABILITY OF OCCURRING IN  
1970-1971

STATION NUMBER: 72005

STATION NAME: PRASE A-4 W

LET TO JIC: + 5

UNIT: 1

LET TO JIC: + 5

CEILING

VISIBILITY IN STAT. MILES

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL | 46.1 | 46.2 | 47.1 | 49.1 | 50.2 | 52.5 | 11.1 | 51.3 | 51.5 | 51.7 | 51.7 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |     |      |      |
|----------|------|------|------|------|------|------|------|------|-----|------|------|
| SE 20000 | 42.5 | 51.2 | 51.3 | 54.5 | 55.1 | 58.7 | 77.2 | 52.4 | 7.1 | 51.1 | 51.1 |
|----------|------|------|------|------|------|------|------|------|-----|------|------|

|          |      |      |      |      |      |      |      |      |     |      |      |
|----------|------|------|------|------|------|------|------|------|-----|------|------|
| SE 12000 | 42.7 | 51.3 | 53.0 | 54.5 | 55.2 | 58.4 | 77.4 | 52.4 | 7.1 | 51.2 | 51.2 |
|----------|------|------|------|------|------|------|------|------|-----|------|------|

|          |      |      |      |      |      |      |      |      |     |      |      |
|----------|------|------|------|------|------|------|------|------|-----|------|------|
| SE 10000 | 44.7 | 51.3 | 53.0 | 54.5 | 55.2 | 58.2 | 77.4 | 52.4 | 7.1 | 51.2 | 51.2 |
|----------|------|------|------|------|------|------|------|------|-----|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 14000 | 44.2 | 51.2 | 53.2 | 54.2 | 55.2 | 57.1 | 77.7 | 51.2 | 71.2 | 51.2 | 51.2 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 12000 | 42.7 | 51.2 | 54.7 | 55.3 | 57.3 | 70.7 | 50.4 | 53.2 | 51.2 | 51.2 | 51.2 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 10000 | 48.1 | 51.1 | 51.2 | 53.4 | 53.2 | 58.2 | 74.1 | 51.1 | 50.1 | 51.1 | 51.1 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 12000 | 48.2 | 51.1 | 53.1 | 52.3 | 54.4 | 58.2 | 74.1 | 51.7 | 51.1 | 52.1 | 52.1 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| SE 12000 | 47.5 | 51.2 | 53.1 | 54.2 | 57.3 | 58.4 | 74.1 | 51.1 | 51.1 | 51.1 | 51.1 |
|----------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 7000 | 46.7 | 51.2 | 54.2 | 54.3 | 53.7 | 54.7 | 74.1 | 71.1 | 71.2 | 71.1 | 71.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 5000 | 43.4 | 52.1 | 56.1 | 57.1 | 59.2 | 70.4 | 71.1 | 71.7 | 71.1 | 71.1 | 71.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 5000 | 51.7 | 52.2 | 57.1 | 57.7 | 72.3 | 73.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 4700 | 52.4 | 52.1 | 57.1 | 70.1 | 73.4 | 74.1 | 74.1 | 74.2 | 74.1 | 74.1 | 74.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 4000 | 55.1 | 57.5 | 70.1 | 73.1 | 75.2 | 77.5 | 77.7 | 77.1 | 77.1 | 77.1 | 77.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 3500 | 55.4 | 57.5 | 71.2 | 72.1 | 75.2 | 77.5 | 77.5 | 77.5 | 77.7 | 77.1 | 77.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 3000 | 55.5 | 57.1 | 71.7 | 74.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 2700 | 56.5 | 71.1 | 72.2 | 75.7 | 76.2 | 76.2 | 76.4 | 76.1 | 76.1 | 76.1 | 76.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 2000 | 57.1 | 71.1 | 75.5 | 76.1 | 77.7 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 1800 | 57.3 | 71.1 | 73.1 | 76.1 | 76.2 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 1500 | 57.7 | 71.2 | 76.1 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 1200 | 58.5 | 71.1 | 76.1 | 76.1 | 81.3 | 81.1 | 81.3 | 81.1 | 81.1 | 81.1 | 81.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|         |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| SE 1000 | 59.2 | 72.1 | 77.1 | 78.1 | 83.2 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 800 | 59.4 | 72.1 | 76.1 | 80.1 | 83.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 700 | 59.7 | 72.4 | 77.2 | 80.5 | 84.2 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 600 | 70.1 | 72.2 | 77.1 | 81.2 | 82.2 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 500 | 70.2 | 74.5 | 77.5 | 81.2 | 85.5 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 400 | 71.3 | 74.1 | 77.1 | 81.5 | 85.4 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 300 | 71.1 | 74.3 | 76.1 | 81.1 | 87.5 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 200 | 71.5 | 74.3 | 76.1 | 82.1 | 87.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 100 | 71.5 | 74.3 | 76.1 | 82.1 | 87.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

|        |      |      |      |      |      |      |      |      |      |      |      |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| SE 100 | 71.5 | 74.3 | 76.1 | 82.1 | 87.7 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
|--------|------|------|------|------|------|------|------|------|------|------|------|

TOTAL NUMBER OF OBSERVATIONS: 930







1. *Phragmites* (common)

DATE: 11/11/2011

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

TOTAL NUMBER OF OBSERVATIONS 430

-11- THE AIR CRAFT IS LOCATED IN THE COLLING WOODS VICINITY  
APPROXIMATELY 100 YARDS

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

100-11

1. NAME OF PARTY \_\_\_\_\_

[illegible]

*Journal of Management Education* 30(6)p.789-804

1947

VICENTINI : 7-10-68

| PH | CHL   | 43.7 | 44.5 | 47.1 | 48.1 | 48.9 | 49.9 | 51.5 | 52.7 | 53.5 |
|----|-------|------|------|------|------|------|------|------|------|------|
| 35 | 2170  | 54.4 | 54.4 | 7.4  | 54.4 | 53.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 36 | 1910  | 54.7 | 54.5 | 1.7  | 54.4 | 53.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 37 | 15300 | 54.5 | 54.7 | 1.5  | 54.4 | 53.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 38 | 14250 | 52.4 | 52.7 | 1.2  | 52.4 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 39 | 12000 | 53.5 | 52.8 | 51.5 | 52.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| 40 | 10000 | 1.4  | 1.4  | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 41 | 9100  | 5.2  | 53.7 | 53.5 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| 42 | 8100  | 5.7  | 7.4  | 71.7 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 43 | 7100  | 12.4 | 1.4  | 71.1 | 71.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 44 | 6100  | 56.1 | 5.4  | 71.5 | 71.5 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| 45 | 5100  | 2.4  | 72.4 | 73.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 46 | 4100  | 52.1 | 71.4 | 74.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 47 | 3100  | 71.5 | 73.5 | 75.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 48 | 2100  | 74.7 | 77.1 | 78.4 | 1.4  | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 49 | 1000  | 77.4 | 78.4 | 79.4 | 4.7  | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 50 | 2100  | 74.7 | 75.4 | 76.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 51 | 2100  | 74.4 | 75.4 | 76.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 52 | 1100  | 73.7 | 74.7 | 75.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 53 | 1500  | 74.4 | 75.4 | 76.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 54 | 1200  | 75.4 | 76.4 | 77.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 55 | 1000  | 76.4 | 77.4 | 78.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 56 | 900   | 77.4 | 78.4 | 79.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| 57 | 800   | 78.4 | 79.4 | 80.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 58 | 700   | 79.4 | 80.4 | 81.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| 59 | 600   | 80.4 | 81.4 | 82.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 60 | 500   | 81.4 | 82.4 | 83.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 61 | 400   | 82.4 | 83.4 | 84.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 62 | 300   | 83.4 | 84.4 | 85.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 63 | 200   | 84.4 | 85.4 | 86.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 64 | 100   | 85.4 | 86.4 | 87.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 65 | 900   | 82.4 | 83.4 | 84.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |

TOTAL NUMBER OF OBSERVATIONS 230





DECLASSIFIED BY SP-6 JAC/KAL  
ON 08-29-2017

STATION NAME: 0 00 00 00  
 00 00 00 00

PROPERTY OF THE U.S. GOVERNMENT

|      |   |   |   |   |   |     |     |     |
|------|---|---|---|---|---|-----|-----|-----|
| 1977 | 7 | 9 | 9 | 9 | 9 | 100 | 100 | 100 |
| 1978 | 7 | 9 | 9 | 9 | 9 | 100 | 100 | 100 |

| NO | CHIL  | 50.0 | 52.5 | 55.0 | 57.5 | 60.0 | 62.5 | 65.0 | 67.5 | 70.0 | 72.5 | 75.0 |
|----|-------|------|------|------|------|------|------|------|------|------|------|------|
| SE | 20000 | 50.0 | 50.0 | 50.0 | 51.7 | 53.5 | 55.3 | 57.0 | 58.7 | 60.4 | 62.1 | 63.8 |
| SE | 10000 | 50.0 | 50.0 | 50.0 | 52.3 | 53.1 | 53.9 | 54.7 | 55.4 | 56.1 | 56.8 | 57.5 |
| SE | 10000 | 50.7 | 50.7 | 51.1 | 52.5 | 53.4 | 53.9 | 54.7 | 55.4 | 56.1 | 56.8 | 57.5 |
| SE | 14000 | 53.3 | 51.3 | 52.3 | 53.3 | 54.3 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| SE | 12000 | 51.0 | 50.3 | 50.1 | 50.1 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| SE | 10000 | 50.3 | 50.1 | 50.3 | 51.0 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| SE | 20000 | 50.7 | 50.3 | 50.3 | 52.1 | 53.0 | 53.7 | 54.7 | 55.7 | 56.7 | 57.7 | 58.7 |
| SE | 10000 | 50.7 | 51.5 | 53.1 | 54.1 | 55.7 | 56.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| SE | 7000  | 72.3 | 72.2 | 74.1 | 74.1 | 76.5 | 77.5 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| SE | 5000  | 70.7 | 72.7 | 75.4 | 77.3 | 78.7 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| SE | 5000  | 72.3 | 73.3 | 74.3 | 75.4 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| SE | 4000  | 74.7 | 75.1 | 75.7 | 76.3 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| SE | 4000  | 73.1 | 73.1 | 74.0 | 74.2 | 74.9 | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| SE | 3500  | 73.3 | 73.3 | 73.3 | 73.7 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| SE | 3000  | 73.2 | 71.5 | 71.1 | 71.4 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| SE | 2500  | 72.3 | 71.2 | 70.9 | 70.7 | 70.5 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| SE | 2000  | 71.3 | 71.3 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 1000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 1500  | 70.5 | 70.1 | 70.5 | 70.7 | 71.1 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| SE | 1200  | 71.7 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| SE | 1000  | 71.1 | 70.7 | 70.2 | 70.7 | 71.2 | 71.7 | 72.2 | 72.7 | 73.2 | 73.7 | 74.2 |
| SE | 5000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 4000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 3000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 2000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 1000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 5000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 4000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 3000  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| SE | 2000  | 71.3 | 71.3 | 71.3 | 71   |      |      |      |      |      |      |      |

TOTAL NUMBER OF OBSERVATIONS 930

# TABLE 1. FREQUENCY OF OCCURRENCE OF DRIFTING VESSELS VISIBILITY IN VARIOUS OBSERVATIONS

PERIOD: 1-1-1968: 0000-2359  
AREA: 15-17

## VISIBILITY IN STATUTE MILES

| 1/2   | 1     | 1 1/2 | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  |
| 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  |
| 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  |
| 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  |
| 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  |
| 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  |
| 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  |
| 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  |
| 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  |
| 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  |
| 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  |
| 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  |
| 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  |
| 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  |
| 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  |
| 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
| 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  |
| 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  |
| 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  |
| 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  |
| 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  |
| 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  |
| 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  |
| 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  |
| 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  |
| 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  |
| 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |



1941: 4-10, 12: 10L 7-10  
 1942: 4L 1-12: 10-12

1 - 2 - 7



[illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

0-149876-1

[illegible][illegible]

1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 26

CHILDREN  
1.  
2.  
3.  
4.  
5.  
6.  
7.  
8.  
9.  
10.  
11.  
12.  
13.  
14.  
15.  
16.  
17.  
18.  
19.  
20.  
21.  
22.  
23.  
24.  
25.  
26.  
27.  
28.  
29.  
30.  
31.  
32.  
33.  
34.  
35.  
36.  
37.  
38.  
39.  
40.  
41.  
42.  
43.  
44.  
45.  
46.  
47.  
48.  
49.  
50.  
51.  
52.  
53.  
54.  
55.  
56.  
57.  
58.  
59.  
60.  
61.  
62.  
63.  
64.  
65.  
66.  
67.  
68.  
69.  
70.  
71.  
72.  
73.  
74.  
75.  
76.  
77.  
78.  
79.  
80.  
81.  
82.  
83.  
84.  
85.  
86.  
87.  
88.  
89.  
90.  
91.  
92.  
93.  
94.  
95.  
96.  
97.  
98.  
99.  
100.

[illegible]

DATE: 08-09-2013 TIME: 09:27:00  
PAGE: 001 OF 001

— 77 —



1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

3

11 JUL 1964

[illegible]

STATE POLICE, DEPT. OF JUSTICE, 1000 N. GUTHRIE, WICHITA, KANSAS  
 67202-1000

DATE: JUL 77 - JUL 77  
TIME: 00:00 - 00:00

REPLY TO STATE'S BILL

|     | 1/2 | 3/4 | 1   | 1 1/4 | 1 1/2 | 1 3/4 | 2   | 2 1/4 | 2 1/2 | 2 3/4 | 3   |
|-----|-----|-----|-----|-------|-------|-------|-----|-------|-------|-------|-----|
| 1   | 1.0 | 1.5 | 2.0 | 2.5   | 3.0   | 3.5   | 4.0 | 4.5   | 5.0   | 5.5   | 6.0 |
| 1.1 | 1.1 | 1.6 | 2.1 | 2.6   | 3.1   | 3.6   | 4.1 | 4.6   | 5.1   | 5.6   | 6.1 |
| 1.2 | 1.2 | 1.7 | 2.2 | 2.7   | 3.2   | 3.7   | 4.2 | 4.7   | 5.2   | 5.7   | 6.2 |
| 1.3 | 1.3 | 1.8 | 2.3 | 2.8   | 3.3   | 3.8   | 4.3 | 4.8   | 5.3   | 5.8   | 6.3 |
| 1.4 | 1.4 | 1.9 | 2.4 | 2.9   | 3.4   | 3.9   | 4.4 | 4.9   | 5.4   | 5.9   | 6.4 |
| 1.5 | 1.5 | 2.0 | 2.5 | 3.0   | 3.5   | 4.0   | 4.5 | 5.0   | 5.5   | 6.0   | 6.5 |
| 1.6 | 1.6 | 2.1 | 2.6 | 3.1   | 3.6   | 4.1   | 4.6 | 5.1   | 5.6   | 6.1   | 6.6 |
| 1.7 | 1.7 | 2.2 | 2.7 | 3.2   | 3.7   | 4.2   | 4.7 | 5.2   | 5.7   | 6.2   | 6.7 |
| 1.8 | 1.8 | 2.3 | 2.8 | 3.3   | 3.8   | 4.3   | 4.8 | 5.3   | 5.8   | 6.3   | 6.8 |
| 1.9 | 1.9 | 2.4 | 2.9 | 3.4   | 3.9   | 4.4   | 4.9 | 5.4   | 5.9   | 6.4   | 6.9 |
| 2   | 2.0 | 2.5 | 3.0 | 3.5   | 4.0   | 4.5   | 5.0 | 5.5   | 6.0   | 6.5   | 7.0 |
| 2.1 | 2.1 | 2.6 | 3.1 | 3.6   | 4.1   | 4.6   | 5.1 | 5.6   | 6.1   | 6.6   | 7.1 |
| 2.2 | 2.2 | 2.7 | 3.2 | 3.7   | 4.2   | 4.7   | 5.2 | 5.7   | 6.2   | 6.7   | 7.2 |
| 2.3 | 2.3 | 2.8 | 3.3 | 3.8   | 4.3   | 4.8   | 5.3 | 5.8   | 6.3   | 6.8   | 7.3 |
| 2.4 | 2.4 | 2.9 | 3.4 | 3.9   | 4.4   | 4.9   | 5.4 | 5.9   | 6.4   | 6.9   | 7.4 |
| 2.5 | 2.5 | 3.0 | 3.5 | 4.0   | 4.5   | 5.0   | 5.5 | 6.0   | 6.5   | 7.0   | 7.5 |
| 2.6 | 2.6 | 3.1 | 3.6 | 4.1   | 4.6   | 5.1   | 5.6 | 6.1   | 6.6   | 7.1   | 7.6 |
| 2.7 | 2.7 | 3.2 | 3.7 | 4.2   | 4.7   | 5.2   | 5.7 | 6.2   | 6.7   | 7.2   | 7.7 |
| 2.8 | 2.8 | 3.3 | 3.8 | 4.3   | 4.8   | 5.3   | 5.8 | 6.3   | 6.8   | 7.3   | 7.8 |
| 2.9 | 2.9 | 3.4 | 3.9 | 4.4   | 4.9   | 5.4   | 5.9 | 6.4   | 6.9   | 7.4   | 7.9 |
| 3   | 3.0 | 3.5 | 4.0 | 4.5   | 5.0   | 5.5   | 6.0 | 6.5   | 7.0   | 7.5   | 8.0 |
| 3.1 | 3.1 | 3.6 | 4.1 | 4.6   | 5.1   | 5.6   | 6.1 | 6.6   | 7.1   | 7.6   | 8.1 |
| 3.2 | 3.2 | 3.7 | 4.2 | 4.7   | 5.2   | 5.7   | 6.2 | 6.7   | 7.2   | 7.7   | 8.2 |
| 3.3 | 3.3 | 3.8 | 4.3 | 4.8   | 5.3   | 5.8   | 6.3 | 6.8   | 7.3   | 7.8   | 8.3 |
| 3.4 | 3.4 | 3.9 | 4.4 | 4.9   | 5.4   | 5.9   | 6.4 | 6.9   | 7.4   | 7.9   | 8.4 |
| 3.5 | 3.5 | 4.0 | 4.5 | 5.0   | 5.5   | 6.0   | 6.5 | 7.0   | 7.5   | 8.0   | 8.5 |
| 3.6 | 3.6 | 4.1 | 4.6 | 5.1   | 5.6   | 6.1   | 6.6 | 7.1   | 7.6   | 8.1   | 8.6 |
| 3.7 | 3.7 | 4.2 | 4.7 | 5.2   | 5.7   | 6.2   | 6.7 | 7.2   | 7.7   | 8.2   | 8.7 |
| 3.8 | 3.8 | 4.3 | 4.8 | 5.3   | 5.8   | 6.3   | 6.8 | 7.3   | 7.8   | 8.3   | 8.8 |
| 3.9 | 3.9 | 4.4 | 4.9 | 5.4   | 5.9   | 6.4   | 6.9 | 7.4   | 7.9   | 8.4   | 8.9 |
| 4   | 4.0 | 4.5 | 5.0 | 5.5   | 6.0   | 6.5   | 7.0 | 7.5   | 8.0   | 8.5   | 9.0 |
| 4.1 | 4.1 | 4.6 | 5.1 | 5.6   | 6.1   | 6.6   | 7.1 | 7.6   | 8.1   | 8.6   | 9.1 |
| 4.2 | 4.2 | 4.7 | 5.2 | 5.7   | 6.2   | 6.7   | 7.2 | 7.7   | 8.2   | 8.7   | 9.2 |
| 4.3 | 4.3 | 4.8 | 5.3 | 5.8   | 6.3   | 6.8   | 7.3 | 7.8   | 8.3   | 8.8   | 9.3 |
| 4.4 | 4.4 | 4.9 | 5.4 | 5.9   | 6.4   | 6.9   | 7.4 | 7.9   | 8.4   | 8.9   | 9.4 |
| 4.5 | 4.5 | 5.0 | 5.5 | 6.0   | 6.5   | 7.0   | 7.5 | 8.0   | 8.5   | 9.0   | 9.5 |
| 4.6 | 4.6 | 5.1 | 5.6 | 6.1   | 6.6   | 7.1   | 7.6 | 8.1   | 8.6   | 9.1   | 9.6 |
| 4.7 | 4.7 | 5.2 | 5.7 | 6.2   | 6.7   | 7.2   | 7.7 | 8.2   | 8.7   | 9.2   | 9.7 |
| 4.8 | 4.8 | 5.3 | 5.8 | 6.3   | 6.8   | 7.3   | 7.8 | 8.3   | 8.8   | 9.3   | 9.8 |
| 4.9 | 4.9 | 5.4 | 5.9 | 6.4   | 6     |       |     |       |       |       |     |

OPERATING ENDORSEMENT "AW"  
USAFIELD, AFB, MISSISSIPPI

NO. OF OBSERVATIONS 200  
DATE 11/1/74

STATION NUMBER : 720000 STATION NAME : PEARL HARBOR  
EQUATORIAL TIME : 11/1/74

.....  
CEILING VISIBILITY IN STATION  
IN FEET 1 2 3 4 5 6 7 8 9 10  
.....

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| GE 20000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 18000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 16000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 14000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 12000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 10000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 8000  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 6000  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 4000  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 3000  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 2000  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 1000  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 500   | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 200   | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 100   | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |

TOTAL NUMBER OF OBSERVATIONS 200

1. EFFECTS OF VIBRATION ON THE VISIBILITY OF OBJECTS

DATE OF RECORD: JUNE 70 - 3011

44-38861-23-25

STABILITY IN STATUS 44253

| 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10    |
|------|------|------|------|------|------|------|------|------|-------|
| 1/1  | 1/2  | 1/3  | 1/4  | 1    | 3/4  | 5/8  | 1/2  | 5/8  | 1/4   |
| 1.1  | 1.2  | 1.3  | 1.4  | 1.5  | 1.6  | 1.7  | 1.8  | 1.9  | 2.0   |
| 2.1  | 2.2  | 2.3  | 2.4  | 2.5  | 2.6  | 2.7  | 2.8  | 2.9  | 3.0   |
| 3.1  | 3.2  | 3.3  | 3.4  | 3.5  | 3.6  | 3.7  | 3.8  | 3.9  | 4.0   |
| 4.1  | 4.2  | 4.3  | 4.4  | 4.5  | 4.6  | 4.7  | 4.8  | 4.9  | 5.0   |
| 5.1  | 5.2  | 5.3  | 5.4  | 5.5  | 5.6  | 5.7  | 5.8  | 5.9  | 6.0   |
| 6.1  | 6.2  | 6.3  | 6.4  | 6.5  | 6.6  | 6.7  | 6.8  | 6.9  | 7.0   |
| 7.1  | 7.2  | 7.3  | 7.4  | 7.5  | 7.6  | 7.7  | 7.8  | 7.9  | 8.0   |
| 8.1  | 8.2  | 8.3  | 8.4  | 8.5  | 8.6  | 8.7  | 8.8  | 8.9  | 9.0   |
| 9.1  | 9.2  | 9.3  | 9.4  | 9.5  | 9.6  | 9.7  | 9.8  | 9.9  | 10.0  |
| 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 12.0  |
| 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 14.0  |
| 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 16.0  |
| 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | 17.9 | 18.0  |
| 19.1 | 19.2 | 19.3 | 19.4 | 19.5 | 19.6 | 19.7 | 19.8 | 19.9 | 20.0  |
| 21.1 | 21.2 | 21.3 | 21.4 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 22.0  |
| 23.1 | 23.2 | 23.3 | 23.4 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 | 24.0  |
| 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 | 26.0  |
| 27.1 | 27.2 | 27.3 | 27.4 | 27.5 | 27.6 | 27.7 | 27.8 | 27.9 | 28.0  |
| 29.1 | 29.2 | 29.3 | 29.4 | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 30.0  |
| 31.1 | 31.2 | 31.3 | 31.4 | 31.5 | 31.6 | 31.7 | 31.8 | 31.9 | 32.0  |
| 33.1 | 33.2 | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 34.0  |
| 35.1 | 35.2 | 35.3 | 35.4 | 35.5 | 35.6 | 35.7 | 35.8 | 35.9 | 36.0  |
| 37.1 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6 | 37.7 | 37.8 | 37.9 | 38.0  |
| 39.1 | 39.2 | 39.3 | 39.4 | 39.5 | 39.6 | 39.7 | 39.8 | 39.9 | 40.0  |
| 41.1 | 41.2 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 | 41.9 | 42.0  |
| 43.1 | 43.2 | 43.3 | 43.4 | 43.5 | 43.6 | 43.7 | 43.8 | 43.9 | 44.0  |
| 45.1 | 45.2 | 45.3 | 45.4 | 45.5 | 45.6 | 45.7 | 45.8 | 45.9 | 46.0  |
| 47.1 | 47.2 | 47.3 | 47.4 | 47.5 | 47.6 | 47.7 | 47.8 | 47.9 | 48.0  |
| 49.1 | 49.2 | 49.3 | 49.4 | 49.5 | 49.6 | 49.7 | 49.8 | 49.9 | 50.0  |
| 51.1 | 51.2 | 51.3 | 51.4 | 51.5 | 51.6 | 51.7 | 51.8 | 51.9 | 52.0  |
| 53.1 | 53.2 | 53.3 | 53.4 | 53.5 | 53.6 | 53.7 | 53.8 | 53.9 | 54.0  |
| 55.1 | 55.2 | 55.3 | 55.4 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0  |
| 57.1 | 57.2 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0  |
| 59.1 | 59.2 | 59.3 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0  |
| 61.1 | 61.2 | 61.3 | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0  |
| 63.1 | 63.2 | 63.3 | 63.4 | 63.5 | 63.6 | 63.7 | 63.8 | 63.9 | 64.0  |
| 65.1 | 65.2 | 65.3 | 65.4 | 65.5 | 65.6 | 65.7 | 65.8 | 65.9 | 66.0  |
| 67.1 | 67.2 | 67.3 | 67.4 | 67.5 | 67.6 | 67.7 | 67.8 | 67.9 | 68.0  |
| 69.1 | 69.2 | 69.3 | 69.4 | 69.5 | 69.6 | 69.7 | 69.8 | 69.9 | 70.0  |
| 71.1 | 71.2 | 71.3 | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0  |
| 73.1 | 73.2 | 73.3 | 73.4 | 73.5 | 73.6 | 73.7 | 73.8 | 73.9 | 74.0  |
| 75.1 | 75.2 | 75.3 | 75.4 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0  |
| 77.1 | 77.2 | 77.3 | 77.4 | 77.5 | 77.6 | 77.7 | 77.8 | 77.9 | 78.0  |
| 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 | 79.9 | 80.0  |
| 81.1 | 81.2 | 81.3 | 81.4 | 81.5 | 81.6 | 81.7 | 81.8 | 81.9 | 82.0  |
| 83.1 | 83.2 | 83.3 | 83.4 | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0  |
| 85.1 | 85.2 | 85.3 | 85.4 | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0  |
| 87.1 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0  |
| 89.1 | 89.2 | 89.3 | 89.4 | 89.5 | 89.6 | 89.7 | 89.8 | 89.9 | 90.0  |
| 91.1 | 91.2 | 91.3 | 91.4 | 91.5 | 91.6 | 91.7 | 91.8 | 91.9 | 92.0  |
| 93.1 | 93.2 | 93.3 | 93.4 | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0  |
| 95.1 | 95.2 | 95.3 | 95.4 | 95.5 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0  |
| 97.1 | 97.2 | 97.3 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0  |
| 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 |
| 1.1  | 1.2  | 1.3  | 1.4  | 1.5  | 1.6  | 1.7  | 1.8  | 1.9  | 2.0   |



# THE RELIABILITY OF ESTIMATION OF CLIMING VERSUS VISIBILITY - MONTHLY - AVAILABLE

PERIOD: 1941 - 1942: JUL 71 - JUL 72

DATA: 882 ADJ: 56-71

## RELIABILITY IN STATISTICAL

| 1/2  | 1    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/4  | 1/4   | 5/8   |
|------|------|-------|-------|------|------|------|------|------|-------|-------|
| 53.6 | 53.7 | 53.8  | 53.9  | 54.0 | 54.1 | 54.2 | 54.3 | 54.4 | 54.5  | 54.6  |
| 58.1 | 58.2 | 58.3  | 58.4  | 58.5 | 58.6 | 58.7 | 58.8 | 58.9 | 59.0  | 59.1  |
| 59.1 | 59.2 | 59.3  | 59.4  | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0  | 60.1  |
| 59.8 | 59.9 | 60.0  | 60.1  | 60.2 | 60.3 | 60.4 | 60.5 | 60.6 | 60.7  | 60.8  |
| 61.0 | 61.1 | 61.2  | 61.3  | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9  | 62.0  |
| 61.6 | 61.7 | 61.8  | 61.9  | 62.0 | 62.1 | 62.2 | 62.3 | 62.4 | 62.5  | 62.6  |
| 66.1 | 66.2 | 66.3  | 66.4  | 66.5 | 66.6 | 66.7 | 66.8 | 66.9 | 67.0  | 67.1  |
| 66.8 | 66.9 | 67.0  | 67.1  | 67.2 | 67.3 | 67.4 | 67.5 | 67.6 | 67.7  | 67.8  |
| 68.1 | 68.2 | 68.3  | 68.4  | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0  | 69.1  |
| 70.2 | 70.3 | 70.4  | 70.5  | 70.6 | 70.7 | 70.8 | 70.9 | 71.0 | 71.1  | 71.2  |
| 71.1 | 71.2 | 71.3  | 71.4  | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0  | 72.1  |
| 73.4 | 73.5 | 73.6  | 73.7  | 73.8 | 73.9 | 74.0 | 74.1 | 74.2 | 74.3  | 74.4  |
| 74.1 | 74.2 | 74.3  | 74.4  | 74.5 | 74.6 | 74.7 | 74.8 | 74.9 | 75.0  | 75.1  |
| 75.1 | 75.2 | 75.3  | 75.4  | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0  | 76.1  |
| 76.2 | 76.3 | 76.4  | 76.5  | 76.6 | 76.7 | 76.8 | 76.9 | 77.0 | 77.1  | 77.2  |
| 77.1 | 77.2 | 77.3  | 77.4  | 77.5 | 77.6 | 77.7 | 77.8 | 77.9 | 78.0  | 78.1  |
| 78.1 | 78.2 | 78.3  | 78.4  | 78.5 | 78.6 | 78.7 | 78.8 | 78.9 | 79.0  | 79.1  |
| 80.1 | 80.2 | 80.3  | 80.4  | 80.5 | 80.6 | 80.7 | 80.8 | 80.9 | 81.0  | 81.1  |
| 81.1 | 81.2 | 81.3  | 81.4  | 81.5 | 81.6 | 81.7 | 81.8 | 81.9 | 82.0  | 82.1  |
| 82.1 | 82.2 | 82.3  | 82.4  | 82.5 | 82.6 | 82.7 | 82.8 | 82.9 | 83.0  | 83.1  |
| 83.1 | 83.2 | 83.3  | 83.4  | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0  | 84.1  |
| 84.1 | 84.2 | 84.3  | 84.4  | 84.5 | 84.6 | 84.7 | 84.8 | 84.9 | 85.0  | 85.1  |
| 85.1 | 85.2 | 85.3  | 85.4  | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0  | 86.1  |
| 86.1 | 86.2 | 86.3  | 86.4  | 86.5 | 86.6 | 86.7 | 86.8 | 86.9 | 87.0  | 87.1  |
| 87.1 | 87.2 | 87.3  | 87.4  | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0  | 88.1  |
| 88.1 | 88.2 | 88.3  | 88.4  | 88.5 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0  | 89.1  |
| 89.1 | 89.2 | 89.3  | 89.4  | 89.5 | 89.6 | 89.7 | 89.8 | 89.9 | 90.0  | 90.1  |
| 90.1 | 90.2 | 90.3  | 90.4  | 90.5 | 90.6 | 90.7 | 90.8 | 90.9 | 91.0  | 91.1  |
| 91.1 | 91.2 | 91.3  | 91.4  | 91.5 | 91.6 | 91.7 | 91.8 | 91.9 | 92.0  | 92.1  |
| 92.1 | 92.2 | 92.3  | 92.4  | 92.5 | 92.6 | 92.7 | 92.8 | 92.9 | 93.0  | 93.1  |
| 93.1 | 93.2 | 93.3  | 93.4  | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0  | 94.1  |
| 94.1 | 94.2 | 94.3  | 94.4  | 94.5 | 94.6 | 94.7 | 94.8 | 94.9 | 95.0  | 95.1  |
| 95.1 | 95.2 | 95.3  | 95.4  | 95.5 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0  | 96.1  |
| 96.1 | 96.2 | 96.3  | 96.4  | 96.5 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0  | 97.1  |
| 97.1 | 97.2 | 97.3  | 97.4  | 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0  | 98.1  |
| 98.1 | 98.2 | 98.3  | 98.4  | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 99.0  | 99.1  |
| 99.1 | 99.2 | 99.3  | 99.4  | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 | 100.1 |

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
WIND DIRECTION: 100% (100/100)

STATION NUMBER: 725085

STATION NAME: 2 ASH ASH AM

6-81

ELEVATION: + 5

7087

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
|------------|---|---|----|----|----|----|----|----|----|----|
|------------|---|---|----|----|----|----|----|----|----|----|

|          |      |      |      |      |      |      |      |      |      |     |
|----------|------|------|------|------|------|------|------|------|------|-----|
| 01 CEIL  | 51.4 | 52.2 | 53.4 | 53.7 | 53.8 | 54.2 | 54.2 | 54.2 | 54.6 | 54. |
| 02 20000 | 57.7 | 59.3 | 59.8 | 59.8 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59. |
| 03 18000 | 58.4 | 59.1 | 59.2 | 59.1 | 59.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59. |
| 04 16000 | 58.4 | 59.1 | 59.3 | 59.1 | 59.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59. |
| 05 14000 | 58.2 | 58.4 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58. |
| 06 12000 | 58.4 | 58.1 | 58.9 | 58.2 | 58.5 | 58.7 | 58.7 | 58.7 | 58.7 | 58. |
| 07 10000 | 54.7 | 55.7 | 57.5 | 54.3 | 59.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54. |
| 08 9000  | 54.2 | 55.9 | 58.1 | 54.7 | 59.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54. |
| 09 8000  | 54.0 | 55.2 | 57.3 | 52.4 | 59.2 | 53.1 | 53.1 | 53.1 | 53.1 | 53. |
| 10 7000  | 54.5 | 55.2 | 57.2 | 53.1 | 53.6 | 53.2 | 53.2 | 53.2 | 53.2 | 53. |
| 11 6000  | 54.2 | 55.2 | 57.2 | 53.5 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53. |
| 12 5000  | 54.2 | 55.2 | 54.2 | 54.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53. |
| 13 4800  | 52.2 | 52.2 | 54.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53. |
| 14 4000  | 52.4 | 54.4 | 55.5 | 57.4 | 57.3 | 53.2 | 53.2 | 53.2 | 53.2 | 53. |
| 15 3200  | 52.7 | 53.1 | 54.2 | 54.7 | 53.1 | 52.8 | 52.8 | 52.8 | 52.8 | 52. |
| 16 3000  | 52.2 | 52.7 | 54.7 | 52.7 | 51.1 | 51.4 | 51.4 | 51.4 | 51.4 | 51. |
| 17 2800  | 52.5 | 53.1 | 53.1 | 51.1 | 51.7 | 52.2 | 52.2 | 52.2 | 52.2 | 52. |
| 18 2000  | 52.5 | 52.2 | 51.2 | 51.2 | 52.3 | 53.1 | 53.1 | 53.1 | 53.1 | 53. |
| 19 1800  | 52.4 | 52.4 | 51.4 | 52.4 | 53.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53. |
| 20 1500  | 52.4 | 51.1 | 53.1 | 54.1 | 54.7 | 54.2 | 54.2 | 54.2 | 54.2 | 54. |
| 21 1200  | 52.0 | 52.0 | 54.2 | 55.2 | 55.4 | 55.2 | 55.2 | 55.2 | 55.2 | 55. |
| 22 1000  | 51.4 | 54.2 | 55.4 | 57.2 | 53.7 | 53.2 | 53.2 | 53.2 | 53.2 | 53. |
| 23 900   | 51.4 | 55.5 | 56.2 | 53.2 | 52.1 | 52.4 | 52.7 | 52.7 | 52.7 | 52. |
| 24 800   | 52.1 | 54.9 | 57.1 | 54.2 | 53.3 | 52.2 | 52.2 | 52.4 | 52.4 | 52. |
| 25 700   | 52.3 | 55.5 | 55.2 | 54.2 | 51.1 | 51.4 | 51.4 | 51.2 | 51.2 | 51. |
| 26 600   | 53.7 | 57.2 | 59.7 | 51.3 | 53.1 | 52.4 | 53.2 | 54.2 | 54.2 | 54. |
| 27 500   | 54.0 | 57.3 | 59.1 | 52.4 | 54.2 | 53.2 | 52.7 | 53.2 | 53.1 | 53. |
| 28 400   | 54.0 | 57.3 | 59.2 | 52.2 | 54.2 | 55.7 | 55.2 | 56.2 | 57.2 | 57. |
| 29 300   | 54.0 | 57.3 | 59.2 | 52.3 | 55.2 | 56.1 | 57.2 | 57.7 | 58.2 | 58. |
| 30 200   | 54.0 | 57.3 | 59.2 | 52.3 | 55.2 | 55.1 | 57.2 | 57.7 | 58.2 | 58. |
| 31 100   | 54.0 | 57.3 | 59.2 | 52.3 | 55.2 | 55.1 | 57.2 | 57.2 | 58.2 | 58. |
| 32 000   | 54.0 | 57.3 | 59.2 | 52.3 | 55.2 | 55.1 | 57.2 | 57.2 | 58.2 | 58. |

TOTAL NUMBER OF OBSERVATIONS 900

1 - 2 - 74

100

MOBILE: 5:2 AM: 09-11

MOBILE: 5:2 AM: 09-11

**1**

—

2

,

•

1

•

13

1

•

2

/ .

11

1 - 2 - 75



OPERATING LOCATION "A"  
USAFHAF, ASHVILLE NC

PERCENTAGE CORRECTION BY MONTH AND DAY  
MONTHLY AVERAGE

STATION NUMBER: 735854

STATION NAME: PEARL AND  
LAT IN DEG: + 5

TIME  
ZONE

CEILING

VISIBILITY IN STATUTE MILES

IN FEET 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6 6 1/2 7 7 1/2 8 8 1/2 9 9 1/2 10 10 1/2 11 11 1/2 12 12 1/2 13 13 1/2 14 14 1/2 15 15 1/2 16 16 1/2 17 17 1/2 18 18 1/2 19 19 1/2 20

|          |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 735854   | 62.2 | 63.3 | 64.6 | 64.7 | 65.3 | 65.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| GE 20000 | 64.2 | 65.7 | 66.1 | 66.2 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 18000 | 61.3 | 61.6 | 62.0 | 62.0 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 16000 | 61.3 | 61.4 | 61.3 | 61.3 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| GE 14000 | 62.2 | 62.2 | 64.1 | 64.2 | 64.2 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 12000 | 63.3 | 63.2 | 63.2 | 63.4 | 63.3 | 63.5 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 10000 | 64.7 | 67.2 | 67.5 | 68.7 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 8000  | 67.4 | 68.2 | 68.3 | 69.5 | 69.2 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 6000  | 70.4 | 71.0 | 71.3 | 72.6 | 72.4 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 7000  | 71.7 | 72.2 | 72.2 | 73.3 | 74.1 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 6000  | 72.6 | 73.1 | 74.4 | 74.4 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 5000  | 73.2 | 74.8 | 75.2 | 76.3 | 75.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 4500  | 74.2 | 75.4 | 75.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 4000  | 75.5 | 77.5 | 77.3 | 78.4 | 78.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 3500  | 73.4 | 74.1 | 75.2 | 76.2 | 76.2 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 3000  | 71.5 | 72.2 | 73.7 | 74.1 | 74.7 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 2500  | 72.2 | 72.2 | 74.3 | 74.3 | 75.2 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 2000  | 73.7 | 74.4 | 75.3 | 75.3 | 77.2 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 1800  | 74.3 | 74.3 | 75.2 | 75.7 | 77.3 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 1500  | 75.7 | 75.4 | 77.2 | 78.3 | 78.2 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 1200  | 76.3 | 77.1 | 77.5 | 78.5 | 79.2 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 1000  | 77.4 | 77.4 | 78.2 | 78.7 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 900   | 77.3 | 77.3 | 78.5 | 78.5 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 800   | 78.2 | 78.2 | 79.2 | 79.2 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 700   | 78.3 | 78.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 600   | 78.2 | 78.7 | 79.2 | 79.7 | 79.2 | 79.2 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 500   | 78.3 | 78.8 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 400   | 78.3 | 78.8 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 300   | 78.3 | 78.8 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 200   | 78.3 | 78.8 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 100   | 78.3 | 78.8 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |

TOTAL NUMBER OF OBSERVATIONS 300

0 - 2 - 77

A

# PERCENTAGE OF OCCURRENCE OF CEILING VERSUS VISIBILITY AT DIFFERENT ELEVATIONS

PERIOD OF RECORD: JUL 71 - JUL 72  
 MONTH: SEP YEARS: 12-13

## VISIBILITY IN STATUTE MILES

| 1/2   | 3/4   | 1 1/2 | 1 3/4 | 2     | 3     | 4     | 5     | 6     | 7     | 8     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2   | 3/4   | 1 1/2 | 1 3/4 | 2     | 3     | 4     | 5     | 6     | 7     | 8     |
| 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  |
| 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  |
| 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| 64.7  | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  |
| 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  |
| 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  |
| 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  |
| 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  |
| 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  |
| 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  |
| 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  |
| 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  |
| 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  |
| 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  |
| 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  |
| 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  |
| 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  |
| 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  |
| 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  |
| 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  |
| 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  |
| 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  |
| 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  |
| 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  |
| 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  |
| 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 |
| 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 |
| 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 |

OPERATING LOCATION "A"  
USAFHAC, ASHVILLE, NC

PERCENTAGE EFFICIENCY OF 1000 POWER OF 2  
7/10/68 11:42 11:50 11:58 12:06

STATION NUMBER: 700000

STATION NAME: PEASE 4-1-41  
LST TIME: + 5

DATE  
TIME

CEILING

VISIBILITY IN STATUT MILES

| IN<br>FEET | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    |
|------------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL    | 11.4 | 12.5 | 53.1 | 53.4 | 53.5 | 53.6 | 53.7 | 53.8 | 53.9 | 54.0 |
| GE 3000    | 51.7 | 51.8 | 51.1 | 51.5 | 51.5 | 52.1 | 52.1 | 52.2 | 52.3 | 52.4 |
| GE 1500    | 51.7 | 51.8 | 51.2 | 51.7 | 51.7 | 52.2 | 52.2 | 52.3 | 52.4 | 52.5 |
| GE 1500    | 51.1 | 51.5 | 51.5 | 52.0 | 51.7 | 52.5 | 52.5 | 52.7 | 52.7 | 52.7 |
| GE 1400    | 51.4 | 51.5 | 51.5 | 52.2 | 52.4 | 53.1 | 53.1 | 53.7 | 53.7 | 53.7 |
| GE 1200    | 52.7 | 52.7 | 54.0 | 54.7 | 55.1 | 55.4 | 55.5 | 55.6 | 55.7 | 55.7 |
| GE 1000    | 51.5 | 57.7 | 55.5 | 51.5 | 59.7 | 51.5 | 51.5 | 51.7 | 51.7 | 52.7 |
| GE 900     | 57.7 | 57.7 | 70.3 | 70.3 | 70.7 | 71.5 | 71.5 | 71.1 | 71.1 | 71.1 |
| GE 700     | 71.7 | 71.7 | 75.5 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 700     | 72.7 | 72.7 | 75.7 | 75.7 | 75.5 | 75.9 | 75.9 | 77.2 | 77.2 | 77.2 |
| GE 500     | 75.1 | 75.1 | 76.7 | 75.7 | 77.5 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 500     | 75.1 | 77.5 | 75.2 | 75.5 | 73.1 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 |
| GE 400     | 71.7 | 71.9 | 71.9 | 71.7 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 |
| GE 400     | 72.7 | 72.5 | 71.1 | 71.7 | 72.1 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 300     | 72.7 | 72.7 | 73.1 | 73.1 | 74.1 | 74.4 | 74.5 | 74.7 | 74.7 | 74.7 |
| GE 300     | 71.4 | 71.4 | 75.5 | 75.7 | 75.1 | 75.4 | 75.5 | 75.7 | 75.7 | 75.7 |
| GE 200     | 71.1 | 71.5 | 75.5 | 75.5 | 77.1 | 77.4 | 77.4 | 77.7 | 77.7 | 77.7 |
| GE 200     | 73.5 | 73.5 | 77.5 | 77.1 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 1500    | 71.7 | 71.1 | 77.4 | 75.2 | 78.7 | 78.1 | 78.7 | 78.5 | 78.5 | 78.5 |
| GE 1500    | 74.5 | 74.5 | 75.3 | 75.1 | 78.7 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 |
| GE 1200    | 51.1 | 57.7 | 72.2 | 75.7 | 75.5 | 71.3 | 71.1 | 71.2 | 71.2 | 71.2 |
| GE 1000    | 55.4 | 55.7 | 75.5 | 75.3 | 75.1 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 900     | 55.5 | 71.1 | 74.7 | 75.4 | 71.5 | 71.7 | 72.5 | 72.1 | 72.1 | 72.1 |
| GE 800     | 55.2 | 71.7 | 75.4 | 71.7 | 72.1 | 72.7 | 72.7 | 73.1 | 73.1 | 73.1 |
| GE 700     | 55.3 | 71.7 | 75.4 | 71.5 | 72.2 | 72.7 | 72.7 | 73.3 | 73.3 | 73.3 |
| GE 500     | 55.7 | 71.5 | 71.5 | 72.5 | 74.4 | 75.1 | 75.4 | 75.6 | 75.6 | 75.6 |
| GE 500     | 55.3 | 71.7 | 71.5 | 73.1 | 75.1 | 75.4 | 75.5 | 75.5 | 77.1 | 77.1 |
| GE 400     | 55.5 | 71.7 | 71.5 | 73.1 | 75.7 | 75.9 | 77.1 | 77.7 | 77.5 | 77.5 |
| GE 300     | 55.3 | 71.5 | 71.5 | 73.1 | 75.7 | 75.9 | 77.7 | 77.2 | 77.1 | 77.7 |
| GE 200     | 55.3 | 71.5 | 71.5 | 73.1 | 75.7 | 75.9 | 77.7 | 77.2 | 77.1 | 77.7 |
| GE 100     | 55.7 | 71.5 | 71.5 | 73.1 | 75.7 | 75.9 | 77.7 | 77.2 | 77.1 | 77.7 |
| GE 000     | 55.7 | 71.5 | 71.5 | 73.1 | 75.7 | 75.9 | 77.7 | 77.2 | 77.1 | 77.7 |

TOTAL NUMBER OF OBSERVATIONS 950

# WAVE FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 77 - JUN 78  
 AREA: SEA AREA: 12-17

VISIBILITY IN STATUTE MILES

| 1/8   | 1/4   | 1/2   | 3/4   | 1     | 5/8   | 3/4   | 1 1/2 | 2     | 2 1/4 | 3     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  |
| 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  | 62.0  |
| 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  | 64.0  |
| 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  |
| 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  |
| 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  |
| 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  |
| 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  |
| 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  |
| 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  |
| 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  |
| 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  |
| 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  |
| 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  |
| 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  |
| 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  |
| 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
| 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  |
| 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  |
| 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  |
| 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  |
| 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  |
| 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  |
| 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  |
| 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  |
| 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  |
| 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  |
| 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |



DATE: 05-11-2000 11:17:00 AM  
 TIME: 05-11-2000 11:17:00 AM

[illegible]



REF ID: A66105

REF ID: A60448

REF ID: A60448

[illegible]

.....

23.7 23.8 23.9 24.0 24.1 24.2 24.3 24.4 24.5 24.6 24.7

24.2 24.3 24.4 24.4 24.7 25.0 25.0 25.1 25.1 25.1 25.2

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
| 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 11.0 | 11.1 |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
| 12.5 | 13.2 | 13.2 | 13.3 | 13.5 | 13.5 | 13.6 | 14.7 | 16.7 | 23.7 | 24.3 |

11. *Journal of the American Medical Association*, 2000; 283: 2639-2644.

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2433 | 2434 | 2435 | 2436 | 2437 | 2438 | 2439 | 2440 | 2441 | 2442 | 2443 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
| 2.3  | 2.3  | 2.6  | 2.4  | 2.7  | 3.0  | 3.0  | 3.1  | 3.1  | 3.1  | 2.2  |

[illegible][illegible]

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| 17.2 | 17.1 | 17.2 | 17.2 | 17.3 | 17.3 | 17.7 | 17.7 | 17.1 | 17.1 | 17.2 |

[illegible][illegible]

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 |
| 19.1 | 19.1 | 19.1 | 19.1 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 |

[illegible]

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 19.1 | 19.1 | 19.1 | 19.1 | 19.5 | 19.7 | 19.7 | 19.7 | 19.7 | 19.7 | 19.7 |
| 19.1 | 19.1 | 19.1 | 19.1 | 19.2 | 19.6 | 19.6 | 19.7 | 19.7 | 19.7 | 19.7 |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 4.0  | 4.1  | 4.2  | 4.3  | 4.4  | 4.5  | 4.6  | 4.7  | 4.8  | 4.9  | 5.0  |
| 21.7 | 22.7 | 23.7 | 24.7 | 25.7 | 26.7 | 27.7 | 28.7 | 29.7 | 30.7 | 31.7 |

[illegible]

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405</ |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|



OPERATING LOCATION "A"  
USAFETAC, ASH-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
WIND DIRECTION: 000-360

STATION NUMBER: 720058

STATION NAME: CLASS AFB, NC

ELEVATION: 450

CEILING

VISIBILITY IN STATION MILES

IN FEET 7 6 5 4 3 2 1 1/2 1 1/4 1 1/8 1/2

| NO. CEIL. | 7    | 6    | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 | 1 1/8 | 1/2  |
|-----------|------|------|------|------|------|-------|------|-------|-------|-------|------|
| GE 20000  | 57.3 | 58.2 | 59.3 | 59.7 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 18000  | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 16000  | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 14000  | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 12000  | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 10000  | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 8000   | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 6000   | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 4000   | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 2000   | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 1000   | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 500    | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 200    | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 100    | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 50     | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 20     | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 10     | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 5      | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 2      | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |
| GE 1      | 57.3 | 58.4 | 59.5 | 59.9 | 59.1 | 58.3  | 58.4 | 58.5  | 58.6  | 58.7  | 58.8 |

TOTAL NUMBER OF OBSERVATIONS 7200



OPERATING LOCATION: "AM"  
USAF-FTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
SPECIFIC VISIBILITY OBSERVATIONS

STATION NUMBER: 726455

STATION NAME: REASE AIR FLD

1951

LSI ID: WICR + 5

1951

CEILING

VISIBILITY IN STATUTE MILES

IN FEET 7 8 9 10 11 12 1 1/2 2 3 1/2 4 5

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 62.2 | 64.3 | 64.7 | 65.6 | 65.9 | 66.1 | 66.3 | 66.3 | 66.5 | 66.6 |
| GE 20000 | 65.1 | 67.2 | 67.5 | 68.4 | 68.7 | 69.0 | 69.2 | 69.2 | 69.4 | 69.7 |
| GE 18000 | 65.1 | 67.2 | 67.5 | 68.4 | 68.7 | 69.0 | 69.2 | 69.2 | 69.4 | 69.7 |
| GE 16000 | 65.1 | 67.2 | 67.5 | 68.4 | 68.7 | 69.0 | 69.2 | 69.2 | 69.4 | 69.7 |
| GE 14000 | 65.5 | 67.5 | 68.1 | 68.5 | 68.9 | 69.7 | 69.7 | 69.7 | 69.8 | 69.9 |
| GE 12000 | 65.5 | 67.5 | 68.1 | 68.5 | 68.9 | 69.7 | 69.7 | 69.7 | 69.8 | 69.9 |
| GE 10000 | 68.0 | 69.2 | 69.5 | 69.4 | 69.3 | 69.2 | 69.4 | 69.4 | 69.7 | 69.7 |
| GE 9000  | 69.1 | 69.3 | 69.7 | 69.7 | 69.1 | 69.3 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 8000  | 69.4 | 69.6 | 69.7 | 69.7 | 69.6 | 69.5 | 69.1 | 69.1 | 69.7 | 69.7 |
| GE 7000  | 69.5 | 69.7 | 69.1 | 69.3 | 69.2 | 69.2 | 69.5 | 69.5 | 69.5 | 69.7 |
| GE 6000  | 69.2 | 69.4 | 69.5 | 70.0 | 70.0 | 71.0 | 71.2 | 71.2 | 71.5 | 71.5 |
| GE 5000  | 69.7 | 70.1 | 70.5 | 71.7 | 72.5 | 72.7 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 4500  | 70.3 | 72.5 | 73.0 | 74.3 | 75.1 | 75.5 | 75.5 | 75.5 | 75.5 | 75.7 |
| GE 4000  | 73.2 | 75.5 | 76.0 | 77.3 | 78.1 | 78.3 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 3500  | 74.2 | 75.5 | 76.2 | 76.2 | 76.2 | 76.1 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 3000  | 75.4 | 77.5 | 78.4 | 79.7 | 80.5 | 80.5 | 81.0 | 81.0 | 81.1 | 81.5 |
| GE 2500  | 76.2 | 78.7 | 79.0 | 81.0 | 81.5 | 82.0 | 82.3 | 82.5 | 82.5 | 82.5 |
| GE 2000  | 75.7 | 79.1 | 80.1 | 81.5 | 82.7 | 82.9 | 83.1 | 83.1 | 83.3 | 83.5 |
| GE 1800  | 75.9 | 79.4 | 80.4 | 81.7 | 83.0 | 83.2 | 83.4 | 83.4 | 83.7 | 83.7 |
| GE 1600  | 77.3 | 80.3 | 81.2 | 82.5 | 84.0 | 84.2 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 1400  | 75.0 | 80.4 | 81.5 | 82.4 | 84.5 | 84.5 | 85.1 | 85.2 | 85.4 | 85.5 |
| GE 1200  | 73.7 | 81.2 | 82.7 | 84.4 | 85.7 | 85.8 | 86.2 | 86.3 | 86.5 | 86.5 |
| GE 1000  | 73.0 | 81.5 | 83.1 | 84.7 | 86.1 | 86.5 | 86.7 | 86.8 | 87.0 | 87.1 |
| GE 900   | 73.2 | 81.7 | 83.5 | 85.3 | 86.9 | 87.1 | 87.5 | 87.5 | 87.7 | 87.7 |
| GE 800   | 73.4 | 81.7 | 83.5 | 85.5 | 87.1 | 87.3 | 87.5 | 87.7 | 87.7 | 87.7 |
| GE 600   | 72.5 | 82.3 | 84.1 | 85.7 | 87.5 | 87.5 | 87.2 | 87.3 | 87.5 | 87.5 |
| GE 500   | 72.3 | 82.5 | 84.7 | 87.0 | 89.2 | 89.4 | 90.4 | 90.7 | 91.0 | 91.1 |
| GE 400   | 72.3 | 82.5 | 84.7 | 87.0 | 89.1 | 91.3 | 92.3 | 92.7 | 93.0 | 93.1 |
| GE 300   | 72.3 | 82.5 | 84.7 | 87.0 | 90.3 | 91.7 | 92.9 | 93.7 | 94.1 | 94.1 |
| GE 200   | 72.3 | 82.5 | 84.7 | 87.0 | 90.4 | 92.5 | 93.4 | 94.4 | 94.5 | 94.5 |
| GE 100   | 72.3 | 82.5 | 84.5 | 87.1 | 90.5 | 92.3 | 93.7 | 94.5 | 95.1 | 95.1 |
| GE 000   | 72.4 | 82.5 | 84.9 | 87.1 | 90.5 | 92.3 | 93.7 | 94.5 | 95.1 | 95.1 |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFITAC, ASH-VILLE- NC

PERCENTAGE EFFICIENCY IN ACCURACY OF  
VISIBILITY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB NH  
LAT LONG: + 5

PERIOD:  
DATE:

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 3<br>7 | 4<br>8 | 5<br>9 | 6<br>4 | 7<br>5 | 8<br>1/2 | 9<br>1 1/2 | 10<br>1 1/2 | 11<br>1 1/4 | 12<br>1 |
|------------|--------|--------|--------|--------|--------|----------|------------|-------------|-------------|---------|
| NO CEIL    | 50.2   | 50.5   | 54.2   | 54.0   | 55.4   | 55.1     | 55.1       | 54.2        | 55.2        | 55.1    |
| GE 20000   | 53.4   | 53.6   | 55.2   | 57.0   | 53.4   | 59.1     | 59.1       | 59.2        | 59.4        | 59.1    |
| GE 18000   | 53.4   | 55.5   | 55.2   | 57.0   | 53.4   | 59.1     | 59.1       | 59.2        | 59.4        | 59.1    |
| GE 16000   | 53.6   | 55.5   | 55.2   | 57.0   | 53.4   | 59.1     | 59.1       | 59.2        | 59.4        | 59.1    |
| GE 14000   | 53.7   | 55.7   | 55.2   | 57.2   | 53.6   | 59.4     | 59.4       | 59.4        | 59.5        | 59.7    |
| GE 12000   | 54.5   | 56.5   | 57.5   | 58.3   | 55.7   | 60.4     | 60.4       | 60.5        | 60.5        | 60.5    |
| GE 10000   | 55.5   | 57.7   | 58.3   | 59.0   | 56.5   | 64.0     | 64.0       | 64.1        | 64.7        | 64.0    |
| GE 8000    | 57.4   | 61.1   | 61.3   | 62.5   | 59.1   | 69.5     | 69.5       | 69.5        | 69.1        | 69.2    |
| GE 6000    | 61.1   | 63.3   | 64.1   | 65.7   | 65.3   | 67.1     | 67.1       | 67.2        | 67.3        | 67.4    |
| GE 7000    | 61.4   | 62.7   | 64.5   | 65.3   | 65.3   | 67.5     | 67.5       | 67.7        | 67.1        | 67.0    |
| GE 5000    | 63.5   | 65.3   | 65.5   | 67.5   | 67.2   | 71.0     | 71.0       | 70.3        | 70.3        | 70.4    |
| GE 4000    | 65.7   | 68.0   | 68.0   | 69.7   | 71.4   | 72.2     | 72.2       | 72.4        | 72.7        | 72.6    |
| GE 3500    | 67.5   | 71.3   | 71.3   | 72.7   | 74.4   | 75.2     | 75.2       | 75.4        | 75.5        | 75.5    |
| GE 3000    | 70.3   | 72.3   | 74.1   | 74.5   | 76.5   | 77.2     | 77.2       | 77.5        | 77.5        | 77.5    |
| GE 2500    | 72.3   | 74.2   | 75.1   | 75.7   | 75.5   | 77.2     | 77.2       | 77.2        | 77.5        | 77.5    |
| GE 2000    | 73.1   | 75.4   | 77.5   | 77.7   | 77.5   | 79.2     | 79.2       | 79.4        | 79.5        | 79.5    |
| GE 1500    | 74.1   | 76.4   | 78.1   | 78.3   | 80.5   | 81.4     | 81.4       | 81.5        | 81.7        | 82.1    |
| GE 1000    | 74.4   | 77.3   | 78.5   | 79.5   | 81.5   | 82.0     | 82.0       | 82.3        | 82.4        | 82.5    |
| GE 800     | 74.5   | 77.4   | 78.7   | 79.5   | 81.4   | 82.2     | 82.2       | 82.4        | 82.5        | 82.5    |
| GE 600     | 75.1   | 78.1   | 79.7   | 80.5   | 82.3   | 83.1     | 83.1       | 83.3        | 83.5        | 83.5    |
| GE 400     | 75.2   | 78.3   | 80.0   | 80.3   | 82.7   | 83.5     | 83.5       | 83.5        | 84.0        | 84.4    |
| GE 300     | 75.4   | 78.5   | 80.4   | 81.3   | 83.4   | 84.5     | 84.5       | 84.5        | 84.7        | 85.1    |
| GE 200     | 75.5   | 78.8   | 80.8   | 81.3   | 83.5   | 84.5     | 84.5       | 84.5        | 84.5        | 84.7    |
| GE 100     | 75.5   | 78.9   | 80.8   | 81.7   | 84.1   | 84.2     | 84.2       | 84.3        | 84.6        | 85.0    |
| GE 50      | 75.6   | 79.4   | 81.2   | 82.5   | 84.7   | 85.7     | 85.7       | 85.0        | 85.1        | 85.4    |
| GE 25      | 75.1   | 79.7   | 81.5   | 82.3   | 85.3   | 85.3     | 85.3       | 85.7        | 85.5        | 87.0    |
| GE 10      | 75.1   | 79.9   | 81.7   | 83.2   | 85.9   | 87.1     | 87.2       | 87.7        | 87.5        | 88.3    |
| GE 5       | 75.2   | 80.0   | 81.9   | 83.7   | 87.3   | 88.2     | 88.2       | 88.5        | 88.7        | 90.1    |
| GE 2       | 75.2   | 80.0   | 81.9   | 83.4   | 87.7   | 88.6     | 88.6       | 91.1        | 91.2        | 92.0    |
| GE 1       | 75.2   | 80.0   | 81.3   | 83.4   | 87.3   | 88.2     | 88.3       | 92.0        | 92.5        | 93.1    |
| GE 0       | 75.2   | 80.0   | 81.3   | 83.5   | 87.7   | 89.9     | 90.3       | 92.0        | 92.5        | 93.7    |

TOTAL NUMBER OF OBSERVATIONS 932

# TABLE 2-2. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM 1000 HOURS DAILY OBSERVATIONS

STATION:

PERIOD OF RECORD: JUL 77 - JUL 78

AIRFIELD: JCF HOURS: 03-25

## CEILING IN STATUTE MILES

| 0     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/8   | 1/4   | 1/2   | 3/4   | 1     | 1 1/4 | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/2 |
| 58.1  | 58.1  | 58.2  | 58.3  | 58.5  | 58.5  | 58.5  | 58.5  | 58.5  | 58.5  | 58.1  |
| 59.1  | 59.1  | 59.2  | 59.3  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.1  |
| 60.1  | 60.1  | 60.2  | 60.3  | 60.5  | 60.5  | 60.5  | 60.5  | 60.5  | 60.5  | 60.1  |
| 61.1  | 61.1  | 61.2  | 61.3  | 61.5  | 61.5  | 61.5  | 61.5  | 61.5  | 61.5  | 61.1  |
| 62.1  | 62.1  | 62.2  | 62.3  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.1  |
| 63.1  | 63.1  | 63.2  | 63.3  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.1  |
| 64.1  | 64.1  | 64.2  | 64.3  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.1  |
| 65.1  | 65.1  | 65.2  | 65.3  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.5  | 65.1  |
| 66.1  | 66.1  | 66.2  | 66.3  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.1  |
| 67.1  | 67.1  | 67.2  | 67.3  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.1  |
| 68.1  | 68.1  | 68.2  | 68.3  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.1  |
| 69.1  | 69.1  | 69.2  | 69.3  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.1  |
| 70.1  | 70.1  | 70.2  | 70.3  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.1  |
| 71.1  | 71.1  | 71.2  | 71.3  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.1  |
| 72.1  | 72.1  | 72.2  | 72.3  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.1  |
| 73.1  | 73.1  | 73.2  | 73.3  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 73.1  |
| 74.1  | 74.1  | 74.2  | 74.3  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.1  |
| 75.1  | 75.1  | 75.2  | 75.3  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.1  |
| 76.1  | 76.1  | 76.2  | 76.3  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.1  |
| 77.1  | 77.1  | 77.2  | 77.3  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.1  |
| 78.1  | 78.1  | 78.2  | 78.3  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.5  | 78.1  |
| 79.1  | 79.1  | 79.2  | 79.3  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.5  | 79.1  |
| 80.1  | 80.1  | 80.2  | 80.3  | 80.5  | 80.5  | 80.5  | 80.5  | 80.5  | 80.5  | 80.1  |
| 81.1  | 81.1  | 81.2  | 81.3  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.1  |
| 82.1  | 82.1  | 82.2  | 82.3  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.1  |
| 83.1  | 83.1  | 83.2  | 83.3  | 83.5  | 83.5  | 83.5  | 83.5  | 83.5  | 83.5  | 83.1  |
| 84.1  | 84.1  | 84.2  | 84.3  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.1  |
| 85.1  | 85.1  | 85.2  | 85.3  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.1  |
| 86.1  | 86.1  | 86.2  | 86.3  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.5  | 86.1  |
| 87.1  | 87.1  | 87.2  | 87.3  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.1  |
| 88.1  | 88.1  | 88.2  | 88.3  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.1  |
| 89.1  | 89.1  | 89.2  | 89.3  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.1  |
| 90.1  | 90.1  | 90.2  | 90.3  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.1  |
| 91.1  | 91.1  | 91.2  | 91.3  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.1  |
| 92.1  | 92.1  | 92.2  | 92.3  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.1  |
| 93.1  | 93.1  | 93.2  | 93.3  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.5  | 93.1  |
| 94.1  | 94.1  | 94.2  | 94.3  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.1  |
| 95.1  | 95.1  | 95.2  | 95.3  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.1  |
| 96.1  | 96.1  | 96.2  | 96.3  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.1  |
| 97.1  | 97.1  | 97.2  | 97.3  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.1  |
| 98.1  | 98.1  | 98.2  | 98.3  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.1  |
| 99.1  | 99.1  | 99.2  | 99.3  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.1  |
| 100.1 | 100.1 | 100.2 | 100.3 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.1 |

OPERATING LOCATION "A"  
USAFETAC, ARLVILL, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C.  
OF 100 1/2 1 1/4 1 1/2 1 3/4 2

STATION NUMBER: 720055

STATION NAME: BASE A-5 AM

1810

1ST TO 5TH: 1 2 3 4 5

1811

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 30<br>7 | 35<br>10 | 40<br>5 | 45<br>4 | 50<br>3 | 55<br>2 1/2 | 60<br>2 | 65<br>1 1/2 | 70<br>1 1/4 | 75<br>1 |
|------------|---------|----------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CIL     | 43.9    | 45.1     | 45.9    | 47.5    | 48.2    | 48.3        | 48.9    | 49.2        | 49.7        | 49.9    |
| SE 30000   | 47.9    | 49.7     | 51.7    | 52.4    | 53.2    | 53.3        | 53.7    | 54.2        | 54.7        | 54.9    |
| SE 18000   | 47.1    | 49.9     | 51.9    | 52.5    | 53.5    | 53.7        | 54.2    | 54.7        | 54.9        | 54.9    |
| SE 16000   | 47.1    | 49.9     | 51.9    | 52.5    | 53.5    | 53.7        | 54.2    | 54.7        | 54.9        | 54.9    |
| SE 14000   | 47.3    | 51.1     | 52.2    | 52.5    | 53.3    | 54.0        | 54.2    | 54.9        | 57.2        | 58.2    |
| SE 12000   | 47.2    | 51.3     | 53.3    | 54.2    | 54.9    | 55.2        | 55.5    | 55.1        | 55.3        | 55.4    |
| SE 10000   | 52.3    | 53.1     | 57.4    | 58.2    | 59.7    | 59.9        | 59.9    | 59.9        | 51.1        | 51.1    |
| SE 8000    | 53.2    | 55.5     | 57.5    | 55.5    | 59.4    | 57.5        | 51.0    | 51.0        | 51.0        | 51.0    |
| SE 6000    | 55.9    | 59.5     | 61.0    | 62.3    | 64.7    | 64.9        | 65.3    | 65.7        | 65.1        | 65.1    |
| SE 4000    | 55.2    | 51.9     | 53.4    | 54.3    | 55.1    | 55.3        | 55.2    | 57.4        | 57.2        | 57.2    |
| SE 2000    | 59.3    | 51.5     | 55.2    | 55.3    | 55.5    | 55.5        | 55.5    | 55.5        | 55.5        | 55.5    |
| SE 1000    | 53.0    | 55.2     | 55.5    | 59.7    | 71.5    | 71.5        | 71.5    | 71.5        | 71.5        | 71.5    |
| SE 500     | 54.3    | 51.2     | 73.5    | 71.7    | 73.3    | 74.1        | 73.5    | 73.4        | 73.7        | 73.7    |
| SE 250     | 55.1    | 59.7     | 73.5    | 73.7    | 75.7    | 75.2        | 73.5    | 73.5        | 73.5        | 73.5    |
| SE 125     | 57.4    | 71.5     | 73.5    | 74.2    | 77.1    | 77.3        | 73.5    | 73.5        | 73.1        | 73.1    |
| SE 62.5    | 53.7    | 72.4     | 74.2    | 74.3    | 75.5    | 75.7        | 73.4    | 73.5        | 73.5        | 73.5    |
| SE 31.2    | 53.7    | 73.4     | 75.3    | 77.4    | 79.2    | 75.7        | 73.4    | 71.4        | 71.5        | 71.5    |
| SE 15.6    | 73.2    | 73.9     | 75.5    | 77.3    | 79.2    | 79.2        | 73.5    | 71.2        | 71.5        | 71.5    |
| SE 7.8     | 73.1    | 74.5     | 75.5    | 75.0    | 79.1    | 79.3        | 71.5    | 71.5        | 71.5        | 71.5    |
| SE 3.9     | 72.2    | 75.4     | 77.2    | 75.4    | 79.5    | 79.2        | 71.2    | 72.4        | 72.7        | 72.7    |
| SE 1.9     | 75.5    | 74.5     | 77.2    | 75.5    | 79.5    | 71.2        | 71.7    | 72.7        | 73.5        | 73.5    |
| SE 1000    | 73.9    | 74.9     | 77.5    | 79.0    | 81.2    | 81.7        | 82.5    | 83.4        | 84.5        | 83.5    |
| SE 500     | 72.9    | 74.2     | 77.5    | 79.2    | 81.2    | 82.2        | 82.2    | 83.5        | 84.5        | 84.5    |
| SE 250     | 71.2    | 75.3     | 75.3    | 79.4    | 82.4    | 83.5        | 83.5    | 84.5        | 85.5        | 85.5    |
| SE 125     | 71.5    | 75.5     | 72.2    | 82.5    | 83.1    | 83.2        | 83.2    | 85.7        | 85.2        | 85.3    |
| SE 62.5    | 71.7    | 75.7     | 73.6    | 80.3    | 85.3    | 84.4        | 83.4    | 83.5        | 87.4        | 87.4    |
| SE 31.2    | 71.9    | 75.1     | 79.5    | 81.5    | 84.7    | 85.5        | 85.5    | 87.5        | 85.5        | 85.7    |
| SE 15.6    | 71.9    | 76.2     | 79.5    | 81.9    | 85.4    | 85.5        | 87.7    | 87.1        | 85.4        | 85.5    |
| SE 7.8     | 71.9    | 75.2     | 79.5    | 82.2    | 85.3    | 87.3        | 83.9    | 85.5        | 81.3        | 82.5    |
| SE 3.9     | 71.9    | 75.2     | 77.5    | 82.2    | 85.9    | 87.4        | 89.1    | 89.2        | 82.4        | 83.1    |
| SE 1.9     | 71.9    | 75.2     | 79.5    | 82.2    | 85.9    | 87.4        | 89.1    | 89.2        | 82.4        | 83.1    |
| SE 100     | 71.9    | 75.2     | 77.5    | 82.2    | 85.9    | 87.4        | 89.1    | 89.2        | 82.4        | 83.2    |

TOTAL NUMBER OF OBSERVATIONS 230





OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
VISIBILITY OBSERVATIONS

STATION NUMBER: 725086

STATION NAME: PLEASANT VALLEY

DATE:

1ST ID: 1000

TIME:

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

| IN<br>FEET | 0-<br>7 | 8-<br>15 | 16-<br>25 | 26-<br>35 | 36-<br>45 | 46-<br>55 | 56-<br>65 | 66-<br>75 | 76-<br>85 | 86-<br>95 | 96-<br>100 |
|------------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| NO CEIL    | 43.7    | 40.5     | 36.1      | 50.3      | 50.5      | 40.7      | 40.3      | 30.7      | 37.1      | 37.1      | 31.1       |
| GE 20000   | 53.7    | 4.7      | 33.3      | 35.3      | 35.3      | 30.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3       |
| GE 18000   | 54.4    | 34.6     | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3       |
| GE 16000   | 54.6    | 31.5     | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3       |
| GE 14000   | 54.6    | 35.7     | 35.3      | 35.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3       |
| GE 12000   | 55.5    | 35.7     | 37.1      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3       |
| GE 10000   | 50.1    | 31.5     | 31.7      | 32.1      | 32.1      | 32.1      | 32.1      | 32.1      | 32.1      | 32.1      | 32.1       |
| GE 8000    | 41.9    | 31.1     | 32.3      | 33.1      | 33.3      | 33.3      | 33.3      | 33.3      | 33.3      | 33.3      | 33.3       |
| GE 6000    | 34.3    | 30.3     | 33.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3      | 37.3       |
| GE 4000    | 35.1    | 30.7     | 37.4      | 37.2      | 37.3      | 37.4      | 37.4      | 37.4      | 37.4      | 37.4      | 37.4       |
| GE 2000    | 35.3    | 30.3     | 39.3      | 39.3      | 39.3      | 39.3      | 39.3      | 39.3      | 39.3      | 39.3      | 39.3       |
| GE 1000    | 30.1    | 30.3     | 70.3      | 71.1      | 71.3      | 71.3      | 71.3      | 71.3      | 71.3      | 71.3      | 71.3       |
| GE 500     | 73.3    | 71.3     | 72.7      | 73.1      | 74.3      | 74.3      | 74.3      | 74.3      | 74.3      | 74.3      | 74.3       |
| GE 200     | 72.3    | 74.3     | 74.3      | 75.1      | 77.1      | 77.1      | 77.1      | 77.1      | 77.1      | 77.1      | 77.1       |
| GE 100     | 74.3    | 75.3     | 77.3      | 77.4      | 77.4      | 77.4      | 77.4      | 77.4      | 77.4      | 77.4      | 77.4       |
| GE 50      | 77.3    | 70.7     | 70.4      | 71.1      | 72.2      | 72.3      | 72.3      | 72.3      | 72.3      | 72.3      | 72.3       |
| GE 20      | 70.3    | 71.3     | 71.7      | 72.4      | 73.3      | 73.3      | 73.3      | 73.3      | 73.3      | 73.3      | 73.3       |
| GE 10      | 72.3    | 71.3     | 72.7      | 73.7      | 74.3      | 74.3      | 74.3      | 74.3      | 74.3      | 74.3      | 74.3       |
| GE 5       | 70.3    | 70.7     | 73.3      | 74.3      | 75.4      | 75.4      | 75.4      | 75.4      | 75.4      | 75.4      | 75.4       |
| GE 1       | 70.3    | 70.3     | 73.3      | 74.3      | 75.7      | 75.7      | 75.7      | 75.7      | 75.7      | 75.7      | 75.7       |
| GE 0       | 71.3    | 73.3     | 74.3      | 74.3      | 75.3      | 75.3      | 75.3      | 75.3      | 75.3      | 75.3      | 75.3       |
| GE 1000    | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 800     | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 600     | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 400     | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 200     | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 100     | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 50      | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 20      | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 10      | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 5       | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 1       | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |
| GE 0       | 72.3    | 74.3     | 75.3      | 75.7      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3       |

TOTAL NUMBER OF OBSERVATIONS 930

0 - 2 - 35



OPERATING LOCATION NAME  
USAF TAC, ADAMSVILLE, NC

PERCENTAGE OF CLOUDY BY DAY  
PERCENTAGE OF CLOUDY BY MONTH

STATION NAME: 725-58

STATION NAME: ADAMSVILLE  
EST TO SITE: +5

STATION  
ELEVATION

CEILING

VISIBILITY IN STATION

IN FEET 7 1 5 5 5 5 1/2 1 1 1/2 1 1/2 1

NO CEIL 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45.7

GE 2000 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3

GE 1800 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1600 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1400 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1200 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45.7 45.7

GE 1000 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3

GE 800 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 600 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 400 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 200 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 100 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 50 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 25 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 10 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 5 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 2 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 0 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1000 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1200 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1400 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1600 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 1800 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 2000 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 2200 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 2400 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 2600 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 2800 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 3000 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

GE 3200 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7 42.7

TOTAL NUMBER OF OBSERVATIONS 230

0 - 2 - 15

A



DECLASSIFIED BY 6032 JAL/STW  
ON 08-27-2013

1

211

VISIBILITY 1.7 MIH - 2.0 MIH

.....

TOTAL NUMBER OF INTERVIEWS 920





# RELATIONSHIP OF OCCURRENCE OF GAILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 80  
 MONTH: OCT. YEARS: 18-20

VISIBILITY IN STATUTE MILES

| 0     | 1     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/5   | 1/4   | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  |
| 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  |
| 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  |
| 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  |
| 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  |
| 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  |
| 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  |
| 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  | 63.2  |
| 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  |
| 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  |
| 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  |
| 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  | 67.2  |
| 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  |
| 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  |
| 71.2  | 71.2  | 71.2  | 71.2  | 71.2  | 71.2  | 71.2  | 71.2  | 71.2  | 71.2  | 71.2  |
| 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  |
| 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  |
| 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  |
| 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  | 75.2  |
| 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  |
| 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  |
| 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  |
| 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  | 80.2  |
| 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  |
| 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  | 82.2  |
| 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  |
| 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  |
| 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  |
| 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  |
| 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  |
| 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  |
| 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  | 90.2  |
| 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  |
| 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  |
| 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  |
| 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  |
| 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  |
| 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  |
| 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  |
| 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  | 98.2  |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 |



OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE RELIABILITY OF OBSERVANCE OF  
FROM 4000LY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PHASE 4-3-4  
LST TO UTC: + 5

21-15  
40N15

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CLIL    | 54.4    | 57.2    | 58.2    | 56.3    | 55.5    | 55.9        | 57.2    | 57.2        | 57.2        | 57.2    |
| GE 20000   | 57.2    | 58.2    | 58.5    | 59.1    | 59.6    | 59.1        | 59.2    | 59.2        | 59.2        | 59.2    |
| GE 18000   | 57.2    | 58.2    | 58.5    | 59.1    | 59.6    | 59.1        | 59.2    | 59.2        | 59.2        | 59.2    |
| GE 16000   | 57.2    | 58.2    | 58.5    | 59.1    | 59.6    | 59.1        | 59.2    | 59.2        | 59.2        | 59.2    |
| GE 14000   | 57.7    | 58.5    | 59.1    | 59.7    | 59.1    | 59.2        | 59.2    | 59.2        | 59.2        | 59.2    |
| GE 12000   | 59.6    | 58.3    | 59.2    | 59.5    | 59.9    | 58.2        | 59.3    | 59.3        | 59.3        | 59.3    |
| GE 10000   | 58.2    | 58.1    | 58.7    | 58.8    | 58.7    | 58.4        | 58.2    | 58.2        | 58.2        | 58.1    |
| GE 9000    | 58.7    | 58.5    | 58.2    | 58.7    | 58.1    | 58.3        | 58.2    | 58.2        | 58.2        | 58.2    |
| GE 8000    | 59.1    | 58.2    | 57.8    | 58.5    | 58.1    | 58.4        | 58.2    | 58.2        | 58.2        | 58.2    |
| GE 7000    | 57.2    | 58.3    | 58.2    | 58.2    | 58.4    | 58.2        | 58.2    | 58.2        | 58.2        | 58.2    |
| GE 6000    | 58.4    | 58.5    | 59.2    | 59.2    | 59.2    | 58.2        | 58.2    | 58.2        | 58.2        | 58.2    |
| GE 5000    | 72.2    | 72.3    | 73.0    | 74.1    | 74.1    | 74.1        | 74.2    | 74.2        | 74.2        | 74.2    |
| GE 4500    | 72.2    | 74.2    | 73.3    | 75.3    | 75.3    | 77.1        | 77.2    | 77.2        | 77.2        | 77.2    |
| GE 4000    | 72.3    | 74.2    | 77.5    | 75.7    | 75.9    | 77.7        | 77.3    | 77.3        | 77.3        | 77.3    |
| GE 3500    | 72.5    | 74.1    | 74.2    | 75.2    | 75.2    | 75.2        | 75.2    | 75.2        | 75.2        | 75.2    |
| GE 3000    | 72.4    | 74.1    | 74.1    | 72.5    | 73.1    | 74.3        | 74.3    | 74.3        | 74.3        | 74.3    |
| GE 2500    | 7.2     | 71.2    | 72.2    | 55.7    | 54.5    | 54.5        | 54.1    | 54.1        | 54.2        | 54.2    |
| GE 2000    | 72.2    | 71.7    | 73.2    | 54.5    | 55.2    | 55.7        | 55.2    | 55.2        | 55.2        | 55.1    |
| GE 1800    | 72.4    | 71.7    | 73.2    | 54.5    | 55.5    | 55.2        | 55.2    | 55.2        | 55.1        | 55.2    |
| GE 1500    | 72.7    | 72.2    | 73.5    | 75.4    | 75.2    | 75.2        | 77.1    | 77.1        | 77.2        | 77.2    |
| GE 1200    | 53.4    | 73.2    | 74.7    | 55.7    | 57.2    | 72.2        | 72.4    | 72.4        | 72.7        | 72.7    |
| GE 1000    | 53.5    | 73.3    | 75.3    | 57.2    | 53.2    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    |
| GE 900     | 53.5    | 73.3    | 75.4    | 57.4    | 53.7    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    |
| GE 800     | 50.2    | 72.7    | 75.7    | 57.7    | 53.2    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    |
| GE 700     | 51.1    | 73.2    | 75.2    | 58.2    | 53.7    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    |
| GE 600     | 51.4    | 74.4    | 75.7    | 58.2    | 53.4    | 72.2        | 71.1    | 71.1        | 71.2        | 71.4    |
| GE 500     | 51.5    | 74.5    | 77.0    | 59.5    | 51.5    | 71.2        | 72.5    | 72.5        | 72.7        | 72.2    |
| GE 400     | 51.2    | 74.5    | 77.0    | 59.7    | 52.0    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    |
| GE 300     | 51.5    | 74.5    | 77.0    | 59.2    | 52.4    | 72.1        | 72.2    | 72.2        | 72.2        | 72.2    |
| GE 200     | 51.5    | 74.5    | 77.2    | 59.2    | 52.5    | 72.4        | 72.2    | 72.4        | 72.7        | 72.2    |
| GE 100     | 51.5    | 74.5    | 77.2    | 59.2    | 52.5    | 72.4        | 72.2    | 72.4        | 72.7        | 72.2    |
| GE 000     | 51.5    | 74.5    | 77.0    | 59.5    | 52.5    | 72.4        | 72.2    | 72.4        | 72.7        | 72.2    |

TOTAL NUMBER OF OBSERVATIONS 730

12NT4: OCT 42045: 21-23

|       |       |       |    |     |     |     |     |     |     |    |
|-------|-------|-------|----|-----|-----|-----|-----|-----|-----|----|
| 62    | 63    | 64    | 65 | 66  | 67  | 68  | 69  | 70  | 71  | 72 |
| 1 1/2 | 1 1/2 | 1 1/4 | 1  | 3/4 | 5/8 | 1/2 | 3/8 | 1/8 | 1/8 | 0  |

7 - 2 - 29

OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL  
AND VISIBILITY OBSERVATIONS

STATION NUMBER: 710055

STATION NAME: PLAS. 444 IN  
LST TO UTC: + 5

DATE: 11/1/74

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 7 | 8 | 9 | 10 | 11 | 12 | 1 1/2 | 2 | 3 | 4 | 5 |
|------------|---|---|---|----|----|----|-------|---|---|---|---|
|------------|---|---|---|----|----|----|-------|---|---|---|---|

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 49.7 | 50.6 | 51.3 | 51.3 | 52.1 | 52.2 | 52.3 | 52.4 | 52.4 | 52.5 | 52.5 |
| GE 20000 | 53.5 | 54.7 | 55.4 | 55.7 | 55.8 | 55.4 | 55.5 | 55.6 | 55.7 | 55.7 | 55.7 |
| GE 18000 | 53.2 | 53.2 | 53.5 | 53.9 | 53.2 | 53.7 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 |
| GE 16000 | 53.5 | 53.5 | 53.6 | 53.8 | 53.9 | 53.7 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 |
| GE 14000 | 54.2 | 54.2 | 54.2 | 54.4 | 54.9 | 57.1 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 |
| GE 12000 | 55.5 | 57.3 | 57.7 | 58.1 | 58.5 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 10000 | 58.1 | 58.3 | 58.1 | 58.5 | 58.1 | 58.3 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 8000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 6000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 4000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 3000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 2000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1800  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1600  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1400  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1200  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 1000  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 800   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 600   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 400   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 300   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 200   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 100   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 000   | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |

TOTAL NUMBER OF OBSERVATIONS 7440

# RELATIONSHIP OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM PUBLIC OBSERVATIONS

PERIOD OF RECORD: JUL 72 - JUN 73  
MONTH: JUL 72; ALL

VISIBILITY IN STATUTE MILES

| 1/2   | 3/4   | 1     | 1 1/4 | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/2 | 2 3/4 | 3     | 3 1/4 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 52.2  | 52.3  | 52.4  | 52.4  | 52.5  | 52.5  | 52.5  | 52.6  | 52.6  | 52.7  | 52.9  |       |
| 56.4  | 56.5  | 56.6  | 56.7  | 56.7  | 56.7  | 56.7  | 56.8  | 56.8  | 56.9  | 57.1  |       |
| 57.7  | 57.8  | 57.9  | 58.0  | 57.9  | 57.9  | 57.9  | 57.1  | 57.1  | 57.2  | 57.4  |       |
| 57.7  | 57.8  | 57.9  | 58.0  | 57.9  | 57.9  | 57.9  | 57.1  | 57.1  | 57.2  | 57.4  |       |
| 57.1  | 57.2  | 57.3  | 57.4  | 57.4  | 57.4  | 57.4  | 57.5  | 57.5  | 57.6  | 57.8  |       |
| 59.1  | 59.2  | 59.3  | 59.4  | 59.1  | 59.1  | 59.1  | 59.2  | 59.2  | 59.3  | 59.5  |       |
| 62.3  | 62.4  | 62.5  | 62.6  | 62.6  | 62.6  | 62.7  | 62.7  | 62.7  | 62.8  | 63.0  |       |
| 63.1  | 63.2  | 63.3  | 63.4  | 63.1  | 63.1  | 63.1  | 63.2  | 63.2  | 63.3  | 63.5  |       |
| 65.1  | 65.2  | 65.3  | 65.4  | 65.5  | 65.5  | 65.5  | 65.6  | 65.7  | 65.7  | 65.9  |       |
| 67.7  | 67.8  | 67.9  | 68.0  | 68.1  | 68.1  | 68.1  | 68.2  | 68.2  | 68.3  | 68.5  |       |
| 69.1  | 69.2  | 69.3  | 69.4  | 69.5  | 69.5  | 69.5  | 69.6  | 69.6  | 69.7  | 69.9  |       |
| 72.3  | 72.4  | 72.5  | 72.6  | 72.6  | 72.6  | 72.7  | 72.7  | 72.7  | 72.8  | 73.0  |       |
| 73.1  | 73.2  | 73.3  | 73.4  | 73.5  | 73.5  | 73.5  | 73.6  | 73.6  | 73.7  | 73.9  |       |
| 75.1  | 75.2  | 75.3  | 75.4  | 75.5  | 75.5  | 75.5  | 75.6  | 75.6  | 75.7  | 75.9  |       |
| 77.1  | 77.2  | 77.3  | 77.4  | 77.5  | 77.5  | 77.5  | 77.6  | 77.6  | 77.7  | 77.9  |       |
| 79.1  | 79.2  | 79.3  | 79.4  | 79.5  | 79.5  | 79.5  | 79.6  | 79.6  | 79.7  | 79.9  |       |
| 81.1  | 81.2  | 81.3  | 81.4  | 81.5  | 81.5  | 81.5  | 81.6  | 81.6  | 81.7  | 81.9  |       |
| 83.1  | 83.2  | 83.3  | 83.4  | 83.5  | 83.5  | 83.5  | 83.6  | 83.6  | 83.7  | 83.9  |       |
| 85.1  | 85.2  | 85.3  | 85.4  | 85.5  | 85.5  | 85.5  | 85.6  | 85.6  | 85.7  | 85.9  |       |
| 87.1  | 87.2  | 87.3  | 87.4  | 87.5  | 87.5  | 87.5  | 87.6  | 87.6  | 87.7  | 87.9  |       |
| 89.1  | 89.2  | 89.3  | 89.4  | 89.5  | 89.5  | 89.5  | 89.6  | 89.6  | 89.7  | 89.9  |       |
| 91.1  | 91.2  | 91.3  | 91.4  | 91.5  | 91.5  | 91.5  | 91.6  | 91.6  | 91.7  | 91.9  |       |
| 93.1  | 93.2  | 93.3  | 93.4  | 93.5  | 93.5  | 93.5  | 93.6  | 93.6  | 93.7  | 93.9  |       |
| 95.1  | 95.2  | 95.3  | 95.4  | 95.5  | 95.5  | 95.5  | 95.6  | 95.6  | 95.7  | 95.9  |       |
| 97.1  | 97.2  | 97.3  | 97.4  | 97.5  | 97.5  | 97.5  | 97.6  | 97.6  | 97.7  | 97.9  |       |
| 99.1  | 99.2  | 99.3  | 99.4  | 99.5  | 99.5  | 99.5  | 99.6  | 99.6  | 99.7  | 99.9  |       |
| 100.1 | 100.2 | 100.3 | 100.4 | 100.5 | 100.5 | 100.5 | 100.6 | 100.6 | 100.7 | 100.9 |       |

OPERATING LOCATION: WAW  
USAFETAC, ASHLVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL  
- BY VISIBILITY -

STATION NUMBER: 725055

STATION NAME: PHASE AF3000

2. 11.0

LST ID: 012: + 5

10.00

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

IN FEET 50 55 60 65 70 75 80 85 90 95 100  
7 4 3 2 1 1/2 1 1/2 1 1/4 1 1/4 1

| NO CEIL  | 50.2 | 50.4 | 50.7 | 51.0 | 51.1 | 51.3 | 51.5 | 52.0 | 52.5 | 52.9 |
|----------|------|------|------|------|------|------|------|------|------|------|
| GE 20000 | 52.4 | 52.7 | 52.9 | 53.2 | 53.4 | 53.6 | 54.2 | 54.4 | 54.6 | 54.7 |
| GE 18000 | 52.5 | 52.8 | 53.0 | 53.3 | 53.7 | 53.9 | 54.3 | 54.5 | 54.7 | 54.7 |
| GE 16000 | 52.6 | 52.9 | 53.2 | 53.3 | 53.7 | 53.9 | 54.3 | 54.5 | 54.6 | 54.7 |
| GE 14000 | 52.7 | 52.8 | 53.1 | 53.4 | 53.3 | 54.0 | 54.4 | 54.7 | 54.7 | 54.7 |
| GE 12000 | 52.2 | 53.4 | 53.7 | 54.0 | 54.3 | 54.6 | 55.0 | 55.2 | 55.2 | 55.3 |
| GE 10000 | 55.1 | 56.0 | 56.2 | 56.7 | 57.1 | 57.3 | 57.7 | 58.1 | 58.1 | 58.1 |
| GE 8000  | 58.5 | 57.1 | 57.5 | 57.9 | 58.4 | 58.7 | 59.1 | 59.5 | 59.7 | 59.7 |
| GE 6000  | 59.5 | 59.0 | 59.3 | 59.9 | 61.1 | 61.5 | 61.8 | 62.4 | 62.4 | 62.4 |
| GE 4000  | 60.5 | 61.0 | 61.4 | 62.2 | 62.7 | 62.8 | 63.2 | 63.5 | 63.5 | 63.7 |
| GE 2000  | 62.2 | 62.3 | 63.5 | 64.2 | 65.0 | 65.2 | 65.7 | 66.3 | 66.7 | 66.7 |
| GE 1000  | 64.5 | 65.4 | 66.0 | 66.7 | 67.5 | 67.7 | 68.2 | 68.4 | 68.6 | 68.7 |
| GE 500   | 67.5 | 68.3 | 68.7 | 69.5 | 70.7 | 70.9 | 71.2 | 71.5 | 71.7 | 71.7 |
| GE 250   | 68.5 | 68.4 | 71.0 | 71.7 | 72.7 | 73.5 | 74.5 | 74.7 | 75.3 | 75.3 |
| GE 100   | 70.7 | 71.4 | 72.1 | 72.3 | 74.1 | 74.2 | 75.0 | 75.2 | 75.2 | 75.3 |
| GE 50    | 72.0 | 73.5 | 74.3 | 75.1 | 76.4 | 76.7 | 77.5 | 77.5 | 77.5 | 77.7 |
| GE 25    | 75.0 | 75.0 | 75.0 | 77.5 | 78.0 | 79.1 | 79.5 | 80.7 | 80.7 | 80.7 |
| GE 10    | 76.0 | 76.0 | 76.5 | 79.0 | 80.0 | 81.1 | 81.7 | 82.5 | 82.5 | 82.5 |
| GE 5     | 77.1 | 76.0 | 79.0 | 80.1 | 81.4 | 81.7 | 81.8 | 83.0 | 82.7 | 82.7 |
| GE 1     | 78.0 | 78.4 | 80.4 | 81.7 | 83.2 | 83.5 | 83.8 | 84.4 | 84.8 | 84.8 |
| GE 0     | 79.0 | 78.4 | 81.7 | 83.2 | 85.0 | 85.4 | 86.1 | 86.3 | 86.7 | 86.7 |
| GE 1000  | 79.4 | 81.5 | 82.1 | 85.0 | 86.1 | 86.8 | 87.2 | 87.4 | 87.4 | 87.7 |
| GE 800   | 79.7 | 81.4 | 82.5 | 84.4 | 87.1 | 87.5 | 88.2 | 88.4 | 88.4 | 88.7 |
| GE 600   | 80.5 | 81.9 | 83.2 | 85.3 | 86.9 | 88.3 | 88.7 | 89.4 | 89.4 | 89.7 |
| GE 400   | 80.2 | 82.5 | 83.3 | 85.3 | 87.4 | 89.3 | 89.2 | 91.2 | 91.2 | 91.7 |
| GE 200   | 81.1 | 82.7 | 84.1 | 87.0 | 89.3 | 92.1 | 92.5 | 93.2 | 93.5 | 93.5 |
| GE 100   | 81.1 | 81.7 | 84.2 | 87.1 | 91.0 | 92.4 | 93.2 | 93.7 | 93.7 | 94.0 |
| GE 50    | 81.1 | 82.7 | 84.2 | 87.3 | 91.3 | 92.5 | 93.7 | 94.1 | 94.3 | 94.3 |
| GE 25    | 81.1 | 82.7 | 84.2 | 87.4 | 91.5 | 93.3 | 94.0 | 94.7 | 95.0 | 95.4 |
| GE 10    | 81.1 | 82.7 | 84.2 | 87.4 | 91.6 | 93.5 | 94.2 | 95.1 | 95.4 | 95.5 |
| GE 5     | 81.1 | 82.7 | 84.2 | 87.4 | 91.5 | 93.2 | 94.4 | 95.3 | 95.7 | 95.8 |
| GE 0     | 81.1 | 82.7 | 84.2 | 87.4 | 91.6 | 93.2 | 94.4 | 95.3 | 95.7 | 95.8 |

.....  
TOTAL NUMBER OF OBSERVATIONS 900

0 - 2 - 01

A

### RELATIONSHIP OF FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

PERIOD OF RECORD: JUL 79 - JUN 84

ACNLT: VDV ADRES: 20-22

## DISTANCE IN STATUTE MILES

| 0    | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 0     |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2  | 1     | 1 1/2 | 1 1/4 | 1     | 3/4   | 7/8   | 1/2   | 3/5   | 1/4   | 0     |
| 1.3  | 51.7  | 51.9  | 52.2  | 52.1  | 52.1  | 52.2  | 52.4  | 52.4  | 52.4  | 52.5  |
| 2.3  | 54.2  | 54.4  | 54.6  | 54.6  | 54.6  | 54.7  | 54.9  | 54.9  | 54.9  | 55.0  |
| 3.3  | 56.5  | 56.6  | 56.8  | 56.7  | 56.7  | 56.8  | 57.0  | 57.0  | 57.0  | 57.1  |
| 4.3  | 58.8  | 58.9  | 59.1  | 59.0  | 59.0  | 59.1  | 59.3  | 59.3  | 59.3  | 59.4  |
| 5.3  | 61.1  | 61.2  | 61.4  | 61.3  | 61.3  | 61.4  | 61.6  | 61.6  | 61.6  | 61.7  |
| 6.3  | 63.4  | 63.5  | 63.7  | 63.6  | 63.6  | 63.7  | 63.9  | 63.9  | 63.9  | 64.0  |
| 7.3  | 65.7  | 65.8  | 66.0  | 65.9  | 65.9  | 66.0  | 66.2  | 66.2  | 66.2  | 66.3  |
| 8.3  | 68.0  | 68.1  | 68.3  | 68.2  | 68.2  | 68.3  | 68.5  | 68.5  | 68.5  | 68.6  |
| 9.3  | 70.3  | 70.4  | 70.6  | 70.5  | 70.5  | 70.6  | 70.8  | 70.8  | 70.8  | 70.9  |
| 10.3 | 72.6  | 72.7  | 72.9  | 72.8  | 72.8  | 72.9  | 73.1  | 73.1  | 73.1  | 73.2  |
| 11.3 | 74.9  | 75.0  | 75.2  | 75.1  | 75.1  | 75.2  | 75.4  | 75.4  | 75.4  | 75.5  |
| 12.3 | 77.2  | 77.3  | 77.5  | 77.4  | 77.4  | 77.5  | 77.7  | 77.7  | 77.7  | 77.8  |
| 13.3 | 79.5  | 79.6  | 79.8  | 79.7  | 79.7  | 79.8  | 80.0  | 80.0  | 80.0  | 80.1  |
| 14.3 | 81.8  | 81.9  | 82.1  | 82.0  | 82.0  | 82.1  | 82.3  | 82.3  | 82.3  | 82.4  |
| 15.3 | 84.1  | 84.2  | 84.4  | 84.3  | 84.3  | 84.4  | 84.6  | 84.6  | 84.6  | 84.7  |
| 16.3 | 86.4  | 86.5  | 86.7  | 86.6  | 86.6  | 86.7  | 86.9  | 86.9  | 86.9  | 87.0  |
| 17.3 | 88.7  | 88.8  | 89.0  | 88.9  | 88.9  | 89.0  | 89.2  | 89.2  | 89.2  | 89.3  |
| 18.3 | 91.0  | 91.1  | 91.3  | 91.2  | 91.2  | 91.3  | 91.5  | 91.5  | 91.5  | 91.6  |
| 19.3 | 93.3  | 93.4  | 93.6  | 93.5  | 93.5  | 93.6  | 93.8  | 93.8  | 93.8  | 93.9  |
| 20.3 | 95.6  | 95.7  | 95.9  | 95.8  | 95.8  | 95.9  | 96.1  | 96.1  | 96.1  | 96.2  |
| 21.3 | 97.9  | 98.0  | 98.2  | 98.1  | 98.1  | 98.2  | 98.4  | 98.4  | 98.4  | 98.5  |
| 22.3 | 100.2 | 100.3 | 100.5 | 100.4 | 100.4 | 100.5 | 100.7 | 100.7 | 100.7 | 100.8 |
| 23.3 | 102.5 | 102.6 | 102.8 | 102.7 | 102.7 | 102.8 | 103.0 | 103.0 | 103.0 | 103.1 |
| 24.3 | 104.8 | 104.9 | 105.1 | 105.0 | 105.0 | 105.1 | 105.3 | 105.3 | 105.3 | 105.4 |
| 25.3 | 107.1 | 107.2 | 107.4 | 107.3 | 107.3 | 107.4 | 107.6 | 107.6 | 107.6 | 107.7 |
| 26.3 | 109.4 | 109.5 | 109.7 | 109.6 | 109.6 | 109.7 | 109.9 | 109.9 | 109.9 | 110.0 |
| 27.3 | 111.7 | 111.8 | 112.0 | 111.9 | 111.9 | 112.0 | 112.2 | 112.2 | 112.2 | 112.3 |
| 28.3 | 114.0 | 114.1 | 114.3 | 114.2 | 114.2 | 114.3 | 114.5 | 114.5 | 114.5 | 114.6 |
| 29.3 | 116.3 | 116.4 | 116.6 | 116.5 | 116.5 | 116.6 | 116.8 | 116.8 | 116.8 | 116.9 |
| 30.3 | 118.6 | 118.7 | 118.9 | 118.8 | 118.8 | 118.9 | 119.1 | 119.1 | 119.1 | 119.2 |
| 31.3 | 120.9 | 121.0 | 121.2 | 121.1 | 121.1 | 121.2 | 121.4 | 121.4 | 121.4 | 121.5 |
| 32.3 | 123.2 | 123.3 | 123.5 | 123.4 | 123.4 | 123.5 | 123.7 | 123.7 | 123.7 | 123.8 |
| 33.3 | 125.5 | 125.6 | 125.8 | 125.7 | 125.7 | 125.8 | 126.0 | 126.0 | 126.0 | 126.1 |
| 34.3 | 127.8 | 127.9 | 128.1 | 128.0 | 128.0 | 128.1 | 128.3 | 128.3 | 128.3 | 128.4 |
| 35.3 | 130.1 | 130.2 | 130.4 | 130.3 | 130.3 | 130.4 | 130.6 | 130.6 | 130.6 | 130.7 |
| 36.3 | 132.4 | 132.5 | 132.7 | 132.6 | 132.6 | 132.7 | 132.9 | 132.9 | 132.9 | 133.0 |
| 37.3 | 134.7 | 134.8 |       |       |       |       |       |       |       |       |

OPERATING LOCATION NAME  
USAFSTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM 410 TO 5500 FEET

STATION NUMBER: 715445

STATION NAME: BRASEL AFB, NC  
LST TO UTC: +5

STATION  
NUMBER

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------------|---|---|---|---|---|---|---|---|---|---|----|
|------------|---|---|---|---|---|---|---|---|---|---|----|

|         |      |      |      |      |      |      |      |      |      |      |  |
|---------|------|------|------|------|------|------|------|------|------|------|--|
| NO CEIL | 50.7 | 50.2 | 50.3 | 51.1 | 51.4 | 51.7 | 51.9 | 52.2 | 51.7 | 50.4 |  |
| GE 2000 | 51.6 | 51.3 | 52.5 | 52.2 | 53.2 | 53.4 | 51.7 | 54.2 | 54.  | 54.1 |  |
| GE 1500 | 52.3 | 52.6 | 53.1 | 53.4 | 53.8 | 54.2 | 53.2 | 54.6 | 54.6 | 54.7 |  |
| GE 1000 | 52.3 | 52.5 | 53.1 | 53.4 | 53.1 | 54.5 | 54.2 | 54.5 | 54.5 | 54.7 |  |
| GE 500  | 52.3 | 52.2 | 53.1 | 53.4 | 53.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |  |
| GE 100  | 52.3 | 53.4 | 54.2 | 54.3 | 54.7 | 54.9 | 55.1 | 55.4 | 55.4 | 55.7 |  |
| GE 50   | 55.3 | 55.7 | 56.3 | 56.7 | 57.3 | 57.2 | 57.4 | 57.5 | 57.  | 56.7 |  |
| GE 20   | 56.2 | 56.2 | 57.4 | 57.1 | 58.4 | 58.7 | 58.2 | 58.2 | 58.1 | 57.7 |  |
| GE 10   | 59.7 | 59.3 | 61.3 | 61.1 | 62.5 | 62.6 | 62.1 | 63.1 | 62.5 | 62.4 |  |
| GE 5    | 61.2 | 61.7 | 62.2 | 63.2 | 63.2 | 64.6 | 63.2 | 64.7 | 63.7 | 64.1 |  |
| GE 0    | 61.3 | 62.7 | 63.1 | 64.2 | 64.1 | 65.2 | 65.2 | 65.7 | 65.7 | 65.2 |  |
| GE 5000 | 64.3 | 64.4 | 65.1 | 65.2 | 67.5 | 67.1 | 68.3 | 67.7 | 68.  | 68.  |  |
| GE 4000 | 65.7 | 66.7 | 67.3 | 68.1 | 68.2 | 68.6 | 68.7 | 68.1 | 68.1 | 68.1 |  |
| GE 3000 | 67.3 | 67.3 | 70.  | 69.2 | 71.3 | 71.2 | 71.6 | 71.9 | 71.2 | 71.1 |  |
| GE 2000 | 68.1 | 68.3 | 72.7 | 71.2 | 72.7 | 72.2 | 73.1 | 73.7 | 73.7 | 73.7 |  |
| GE 1000 | 72.4 | 72.5 | 73.  | 73.7 | 74.  | 74.1 | 74.4 | 74.6 | 74.1 | 73.7 |  |
| GE 500  | 72.7 | 73.  | 74.3 | 75.4 | 75.1 | 76.3 | 76.1 | 77.1 | 77.1 | 77.1 |  |
| GE 200  | 74.1 | 74.4 | 75.2 | 77.2 | 76.4 | 77.  | 77.  | 78.4 | 78.4 | 78.7 |  |
| GE 100  | 74.5 | 75.1 | 77.  | 78.7 | 79.2 | 79.1 | 79.  | 80.2 | 80.2 | 80.3 |  |
| GE 50   | 75.1 | 77.8 | 78.3 | 79.3 | 79.3 | 81.1 | 81.1 | 81.  | 81.  | 81.  |  |
| GE 20   | 77.1 | 77.5 | 79.7 | 81.3 | 82.4 | 82.  | 83.3 | 83.6 | 83.3 | 83.2 |  |
| GE 10   | 77.1 | 78.2 | 79.1 | 80.3 | 83.7 | 84.1 | 84.3 | 84.1 | 84.1 | 84.  |  |
| GE 5    | 78.1 | 79.2 | 81.7 | 83.2 | 85.1 | 85.1 | 85.1 | 85.6 | 85.6 | 85.  |  |
| GE 0    | 78.2 | 79.3 | 81.2 | 83.1 | 85.1 | 87.6 | 86.7 | 88.5 | 88.5 | 88.1 |  |
| GE 5000 | 79.3 | 81.5 | 83.3 | 85.2 | 88.4 | 88.2 | 89.3 | 91.1 | 91.1 | 91.1 |  |
| GE 4000 | 79.3 | 81.2 | 83.3 | 85.1 | 89.2 | 89.2 | 91.5 | 91.1 | 91.4 | 91.1 |  |
| GE 3000 | 79.5 | 81.2 | 83.3 | 85.9 | 89.7 | 89.7 | 91.1 | 92.3 | 93.  | 91.4 |  |
| GE 2000 | 79.5 | 81.2 | 83.  | 85.3 | 89.7 | 89.7 | 91.7 | 94.3 | 93.  | 93.5 |  |
| GE 1000 | 79.5 | 81.2 | 83.  | 85.9 | 89.7 | 89.7 | 92.3 | 93.4 | 93.  | 94.3 |  |
| GE 500  | 79.1 | 81.2 | 83.2 | 85.9 | 89.7 | 89.7 | 91.3 | 91.6 | 91.1 | 94.  |  |

TOTAL NUMBER OF OBSERVATIONS 900

2 - 2 - 12

# TABLE 1. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM 4000 FT. OBSERVATIONS

PERIOD OF RECORD: JUL 72 - JUL 73  
MONTH: NOV YEARS: 32-04

CEILING IN STATUTE MILES

| 1/2   | 1 1/2 | 1 3/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 1/8   | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.7   | 51.9  | 52.2  | 52.3  | 52.4  | 52.5  | 52.7  | 52.8  | 52.9  | 53.2  | 53.4  |
| 54.1  | 54.7  | 54.9  | 54.9  | 54.9  | 54.9  | 54.9  | 54.9  | 54.9  | 54.9  | 54.9  |
| 55.1  | 55.2  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 56.1  | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  | 56.2  |
| 57.1  | 57.1  | 57.4  | 57.4  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  | 57.7  |
| 58.1  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  | 58.4  |
| 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  |
| 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  |
| 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  |
| 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  |
| 63.1  | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  |
| 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  |
| 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  |
| 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  |
| 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  |
| 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  |
| 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  |
| 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  |
| 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  |
| 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  |
| 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  | 73.1  |
| 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  |
| 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  |
| 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  | 76.1  |
| 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  |
| 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  |
| 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  | 79.1  |
| 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  |
| 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  |
| 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  | 82.1  |
| 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  |
| 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  | 84.1  |
| 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  |
| 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  |
| 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  |
| 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  |
| 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  |
| 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  |
| 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  |
| 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  |
| 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  |
| 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  |
| 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  |
| 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  |
| 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  |
| 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 |



OPERATING LOCATION MAP  
USAFAC, APO WILMINGTON

PERCENTAGE FREQUENCY OF OCCURRENCE OF D.I.  
1951-1952

STATION 10000: 715.54

STATION 10000: 2.451.000.00

EST. IN D.I.C: + 5

10000

CEILING

VISIBILITY IN SIGNAL WIND

| IN<br>FEET | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|------------|------|------|------|------|------|------|------|------|------|------|
| 1          | 1/1  | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| 4000       | 43.4 | 44.0 | 44.0 | 45.1 | 45.1 | 45.4 | 45.7 | 45.7 | 45.7 | 45.7 |
| 3500       | 47.0 | 47.4 | 47.3 | 47.3 | 47.7 | 47.1 | 47.3 | 47.3 | 47.3 | 47.3 |
| 3000       | 47.1 | 47.2 | 47.7 | 47.7 | 47.7 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 2500       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 2000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 1500       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 1000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 500        | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 0          | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 4000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 3500       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 3000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 2500       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 2000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 1500       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 1000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 500        | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 0          | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 4000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 3500       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 3000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 2500       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 2000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 1500       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 1000       | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 500        | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| 0          | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |

TOTAL NUMBER OF PLACES/ALTITUDE 200





# TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM RADAR OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 80

MONTH: NOV HOURS: 02-11

CEILING IN STATUTE MILES

| 0<br>1/2 | 1<br>2 | 1 1/2 | 1 3/4 | 2<br>1 | 2 1/4 | 2 1/2 | 2 3/4 | 3<br>1 1/2 | 3 1/4 | 3 1/2 |
|----------|--------|-------|-------|--------|-------|-------|-------|------------|-------|-------|
| 45.0     | 45.0   | 45.1  | 45.1  | 45.2   | 45.2  | 45.2  | 45.2  | 45.2       | 45.3  | 45.5  |
| 51.1     | 51.1   | 51.2  | 51.2  | 51.3   | 51.3  | 51.3  | 51.3  | 51.3       | 51.4  | 51.7  |
| 51.7     | 51.7   | 51.8  | 51.8  | 51.9   | 51.9  | 51.9  | 51.9  | 51.9       | 52.0  | 52.2  |
| 51.8     | 51.8   | 51.9  | 51.9  | 52.0   | 52.0  | 52.0  | 52.0  | 52.0       | 52.1  | 52.3  |
| 52.3     | 52.3   | 52.4  | 52.4  | 52.5   | 52.5  | 52.6  | 52.6  | 52.6       | 52.7  | 52.9  |
| 53.0     | 53.0   | 53.2  | 53.2  | 53.3   | 53.3  | 53.3  | 53.3  | 53.3       | 53.4  | 53.6  |
| 57.7     | 57.7   | 57.8  | 57.8  | 57.9   | 57.9  | 57.9  | 57.9  | 57.9       | 58.1  | 58.3  |
| 58.2     | 58.2   | 58.4  | 58.4  | 58.5   | 58.5  | 58.5  | 58.5  | 58.5       | 58.7  | 58.9  |
| 58.9     | 58.9   | 59.0  | 59.0  | 59.1   | 59.1  | 59.1  | 59.1  | 59.1       | 59.2  | 59.3  |
| 59.3     | 59.3   | 59.4  | 59.4  | 59.5   | 59.5  | 59.5  | 59.5  | 59.5       | 59.7  | 59.9  |
| 63.0     | 63.0   | 63.2  | 63.2  | 63.3   | 63.3  | 63.3  | 63.3  | 63.3       | 63.4  | 63.6  |
| 63.6     | 63.6   | 63.7  | 63.7  | 63.8   | 63.8  | 63.8  | 63.8  | 63.8       | 63.9  | 64.1  |
| 67.0     | 67.0   | 67.1  | 67.1  | 67.1   | 67.1  | 67.1  | 67.1  | 67.1       | 67.2  | 67.4  |
| 67.4     | 67.4   | 67.5  | 67.5  | 67.6   | 67.6  | 67.6  | 67.6  | 67.6       | 67.7  | 67.9  |
| 71.0     | 71.0   | 71.1  | 71.1  | 71.2   | 71.2  | 71.2  | 71.2  | 71.2       | 71.3  | 71.5  |
| 71.5     | 71.5   | 71.6  | 71.6  | 71.7   | 71.7  | 71.7  | 71.7  | 71.7       | 71.8  | 71.9  |
| 73.2     | 73.2   | 73.3  | 73.3  | 73.4   | 73.4  | 73.4  | 73.4  | 73.4       | 73.5  | 73.7  |
| 73.7     | 73.7   | 73.8  | 73.8  | 73.9   | 73.9  | 73.9  | 73.9  | 73.9       | 74.0  | 74.1  |
| 75.0     | 75.0   | 75.1  | 75.1  | 75.2   | 75.2  | 75.2  | 75.2  | 75.2       | 75.3  | 75.5  |
| 77.0     | 77.0   | 77.1  | 77.1  | 77.2   | 77.2  | 77.2  | 77.2  | 77.2       | 77.3  | 77.5  |
| 77.5     | 77.5   | 77.6  | 77.6  | 77.7   | 77.7  | 77.7  | 77.7  | 77.7       | 77.8  | 77.9  |
| 79.0     | 79.0   | 79.1  | 79.1  | 79.2   | 79.2  | 79.2  | 79.2  | 79.2       | 79.3  | 79.5  |
| 79.5     | 79.5   | 79.6  | 79.6  | 79.7   | 79.7  | 79.7  | 79.7  | 79.7       | 79.8  | 79.9  |
| 81.0     | 81.0   | 81.1  | 81.1  | 81.2   | 81.2  | 81.2  | 81.2  | 81.2       | 81.3  | 81.5  |
| 81.5     | 81.5   | 81.6  | 81.6  | 81.7   | 81.7  | 81.7  | 81.7  | 81.7       | 81.8  | 81.9  |
| 84.0     | 84.0   | 84.1  | 84.1  | 84.2   | 84.2  | 84.2  | 84.2  | 84.2       | 84.3  | 84.5  |
| 84.5     | 84.5   | 84.6  | 84.6  | 84.7   | 84.7  | 84.7  | 84.7  | 84.7       | 84.8  | 84.9  |
| 86.0     | 86.0   | 86.1  | 86.1  | 86.2   | 86.2  | 86.2  | 86.2  | 86.2       | 86.3  | 86.5  |
| 86.5     | 86.5   | 86.6  | 86.6  | 86.7   | 86.7  | 86.7  | 86.7  | 86.7       | 86.8  | 86.9  |
| 87.0     | 87.0   | 87.1  | 87.1  | 87.2   | 87.2  | 87.2  | 87.2  | 87.2       | 87.3  | 87.5  |
| 87.5     | 87.5   | 87.6  | 87.6  | 87.7   | 87.7  | 87.7  | 87.7  | 87.7       | 87.8  | 87.9  |
| 89.0     | 89.0   | 89.1  | 89.1  | 89.2   | 89.2  | 89.2  | 89.2  | 89.2       | 89.3  | 89.5  |
| 89.5     | 89.5   | 89.6  | 89.6  | 89.7   | 89.7  | 89.7  | 89.7  | 89.7       | 89.8  | 89.9  |
| 91.0     | 91.0   | 91.1  | 91.1  | 91.2   | 91.2  | 91.2  | 91.2  | 91.2       | 91.3  | 91.5  |
| 91.5     | 91.5   | 91.6  | 91.6  | 91.7   | 91.7  | 91.7  | 91.7  | 91.7       | 91.8  | 91.9  |
| 93.0     | 93.0   | 93.1  | 93.1  | 93.2   | 93.2  | 93.2  | 93.2  | 93.2       | 93.3  | 93.5  |
| 93.5     | 93.5   | 93.6  | 93.6  | 93.7   | 93.7  | 93.7  | 93.7  | 93.7       | 93.8  | 93.9  |
| 95.0     | 95.0   | 95.1  | 95.1  | 95.2   | 95.2  | 95.2  | 95.2  | 95.2       | 95.3  | 95.5  |
| 95.5     | 95.5   | 95.6  | 95.6  | 95.7   | 95.7  | 95.7  | 95.7  | 95.7       | 95.8  | 95.9  |
| 97.0     | 97.0   | 97.1  | 97.1  | 97.2   | 97.2  | 97.2  | 97.2  | 97.2       | 97.3  | 97.5  |
| 97.5     | 97.5   | 97.6  | 97.6  | 97.7   | 97.7  | 97.7  | 97.7  | 97.7       | 97.8  | 97.9  |
| 99.0     | 99.0   | 99.1  | 99.1  | 99.2   | 99.2  | 99.2  | 99.2  | 99.2       | 99.3  | 99.5  |
| 99.5     | 99.5   | 99.6  | 99.6  | 99.7   | 99.7  | 99.7  | 99.7  | 99.7       | 99.8  | 99.9  |
| 100.0    | 100.0  | 100.1 | 100.1 | 100.2  | 100.2 | 100.2 | 100.2 | 100.2      | 100.3 | 100.5 |

OPERATING LOCATION: WAW  
USAF-TAC, AHN-VILLE, NC

PERCENTAGE PROBABILITY OF OCCUPANCY OF 2 I  
STATION NUMBER: 725085 STATION NAME: PRAS. AREA 01  
LOT ID NO: + 5

STATION NUMBER: 725085

STATION NAME: PRAS. AREA 01

STATION

LOT ID NO: + 5

STATION

CEILING

VISIBILITY IN STATISTICAL

IN FEET 7 5 5 4 3 2 1/2 1 1/2 1 1/2 1

NO CEIL 41.5 41.5 41.5 41.5 41.5 41.7 41.7 41.7 41.7 41.7

GE 20000 41.3 41.3 41.4 41.4 41.4 41.5 41.5 41.5 41.5 41.5

GE 18000 41.3 41.3 41.3 41.3 41.3 41.1 41.1 41.1 41.1 41.1

GE 16000 41.3 41.3 41.1 41.1 41.1 41.2 41.2 41.2 41.2 41.2

GE 14000 41.3 41.3 41.2 41.2 41.2 41.1 41.1 41.1 41.1 41.1

GE 12000 41.4 41.4 41.5 41.5 41.5 41.7 41.7 41.7 41.7 41.7

GE 10000 41.1 41.1 41.2 41.2 41.2 41.3 41.3 41.3 41.3 41.3

GE 8000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 6000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 4000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 2000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 5000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 4000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 3000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 2000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 1000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 2000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 1800 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 1600 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 1400 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 1200 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 1000 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 800 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 600 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 400 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 200 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 500 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 400 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 300 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 200 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 100 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

GE 500 41.7 41.7 41.3 41.3 41.3 41.4 41.4 41.4 41.4 41.4

TOTAL NUMBER OF OBSERVATIONS 900

1 - 2 - 3

A



OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB NC  
LST TO UTC: + 5

PERIOD:  
MONTH:

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

IN FEET 5F 6F 7F 8F 9F 10F 11F 12F 13F 14F 15F  
2 3 4 5 6 7 8 9 10 11 12

|          |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 43.3 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| GE 20000 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |
| GE 18000 | 41.2 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| GE 16000 | 41.2 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| GE 14000 | 40.2 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| GE 12000 | 41.2 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| GE 10000 | 42.6 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| GE 9000  | 44.6 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| GE 8000  | 47.7 | 49.3 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| GE 7000  | 49.1 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| GE 6000  | 49.1 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 5000  | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| GE 4500  | 40.2 | 41.4 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| GE 4000  | 72.2 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 3500  | 72.2 | 73.7 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 3000  | 75.0 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 2500  | 72.6 | 73.4 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 2000  | 43.3 | 41.4 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| GE 1800  | 41.2 | 42.2 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| GE 1600  | 42.2 | 43.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| GE 1400  | 42.6 | 43.6 | 45.0 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 |
| GE 1200  | 43.4 | 44.4 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| GE 1000  | 43.4 | 44.4 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| GE 900   | 43.7 | 44.7 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| GE 800   | 44.1 | 45.4 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| GE 700   | 44.3 | 45.7 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 |
| GE 600   | 44.4 | 45.3 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| GE 500   | 44.4 | 45.8 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| GE 400   | 44.4 | 45.9 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| GE 300   | 44.5 | 46.0 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| GE 200   | 44.6 | 46.0 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| GE 100   | 44.6 | 46.0 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| GE 000   | 44.6 | 46.0 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |

TOTAL NUMBER OF OBSERVATIONS 200

0 - 2 - 25

8





OPERATING LOCALITY "A"  
USAFETAC, ACHUVILLE-NE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLOUDS  
AND VISIBILITY OBSERVATIONS

STATION NUMBER: 723098

STATION NAME: PHASE 4-5-6

STATION

LST TO UTC: + 8

UNIT:

CEILING

VISIBILITY IN STATUT. MILES

| IN FEET | 5 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |
|---------|---|---|---|---|---|-------|---|-------|-------|---|
|---------|---|---|---|---|---|-------|---|-------|-------|---|

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| NO CIL  | 40.3 | 48.7 | 50.2 | 50.3 | 50.4 | 50.7 | 50.8 | 50.8 | 51.2 | 50.3 |
| GE 2000 | 52.1 | 52.4 | 52.3 | 53.1 | 53.2 | 53.4 | 53.5 | 53.5 | 53.5 | 53.7 |
| GE 1800 | 52.2 | 52.7 | 53.2 | 53.3 | 53.4 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 |
| GE 1600 | 52.3 | 52.7 | 53.2 | 53.3 | 53.4 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 |
| GE 1400 | 52.7 | 53.2 | 53.3 | 53.7 | 53.8 | 54.3 | 54.1 | 54.1 | 54.1 | 54.2 |
| GE 1200 | 53.5 | 53.9 | 54.3 | 54.3 | 54.3 | 55.1 | 55.2 | 55.2 | 55.2 | 55.3 |
| GE 1000 | 55.2 | 55.7 | 56.2 | 56.7 | 56.8 | 57.5 | 57.1 | 57.1 | 57.1 | 57.2 |
| GE 900  | 55.5 | 56.2 | 56.2 | 57.0 | 57.1 | 57.5 | 57.4 | 57.4 | 57.4 | 57.5 |
| GE 800  | 59.1 | 59.7 | 61.2 | 61.7 | 61.8 | 62.3 | 62.1 | 62.1 | 62.1 | 62.2 |
| GE 700  | 60.2 | 61.2 | 62.2 | 62.7 | 62.7 | 62.1 | 63.2 | 63.2 | 63.2 | 63.3 |
| GE 600  | 62.7 | 63.3 | 64.1 | 64.7 | 64.7 | 65.1 | 65.2 | 65.2 | 65.2 | 65.3 |
| GE 500  | 65.3 | 65.7 | 67.3 | 68.2 | 68.2 | 69.1 | 69.2 | 69.2 | 69.2 | 69.3 |
| GE 450  | 67.2 | 67.7 | 69.2 | 70.5 | 71.1 | 71.2 | 71.4 | 71.4 | 71.4 | 71.5 |
| GE 400  | 69.3 | 70.5 | 71.9 | 72.5 | 73.1 | 73.5 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 350  | 71.5 | 72.5 | 73.9 | 74.5 | 75.1 | 75.5 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 300  | 75.1 | 75.1 | 77.4 | 78.1 | 78.2 | 79.4 | 79.5 | 79.5 | 79.5 | 79.7 |
| GE 250  | 77.5 | 78.5 | 80.2 | 80.3 | 81.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 |
| GE 200  | 82.2 | 81.1 | 82.6 | 83.4 | 84.3 | 85.4 | 85.2 | 85.2 | 85.2 | 85.1 |
| GE 180  | 82.5 | 81.7 | 83.1 | 84.0 | 84.2 | 85.3 | 85.5 | 85.5 | 85.5 | 85.7 |
| GE 150  | 81.3 | 82.2 | 84.1 | 85.2 | 85.5 | 87.2 | 87.2 | 87.2 | 87.2 | 87.4 |
| GE 100  | 82.3 | 83.5 | 85.4 | 86.5 | 87.2 | 88.4 | 88.3 | 88.3 | 88.3 | 88.4 |
| GE 100  | 82.5 | 83.5 | 85.9 | 87.1 | 88.5 | 89.1 | 89.4 | 89.4 | 89.4 | 89.5 |
| GE 100  | 82.4 | 84.1 | 85.3 | 87.5 | 89.0 | 89.6 | 89.9 | 89.9 | 89.9 | 90.1 |
| GE 100  | 82.9 | 84.2 | 85.5 | 87.3 | 89.5 | 90.4 | 91.3 | 91.3 | 91.3 | 91.5 |
| GE 700  | 83.2 | 84.6 | 87.3 | 88.4 | 90.4 | 91.5 | 92.5 | 92.1 | 92.1 | 92.2 |
| GE 600  | 83.2 | 84.7 | 87.3 | 88.9 | 91.2 | 92.7 | 93.9 | 94.2 | 94.2 | 94.2 |
| GE 500  | 85.2 | 84.9 | 87.7 | 89.3 | 91.3 | 93.1 | 94.7 | 94.3 | 94.3 | 95.0 |
| GE 400  | 83.2 | 84.2 | 87.3 | 90.2 | 93.0 | 95.0 | 95.1 | 97.2 | 97.2 | 97.3 |
| GE 300  | 83.2 | 84.2 | 87.3 | 90.2 | 93.1 | 95.7 | 95.2 | 98.3 | 98.3 | 98.4 |
| GE 200  | 83.2 | 84.2 | 87.3 | 90.2 | 93.1 | 95.5 | 97.5 | 98.4 | 98.4 | 98.7 |
| GE 100  | 83.2 | 84.2 | 87.3 | 90.2 | 93.1 | 95.2 | 97.1 | 98.5 | 98.5 | 98.5 |
| GE 100  | 83.2 | 84.9 | 87.5 | 90.2 | 93.1 | 95.5 | 97.1 | 98.5 | 98.5 | 98.5 |

TOTAL NUMBER OF OBSERVATIONS 900

ALL-PLY DISC VALVES

PERIOD OF RECORD: JUL 73 - JUN 74

ADITH: NOV 81 JRS: 18-20

[illegible]

|     |   |       |       |   |     |     |     |     |     |    |    |
|-----|---|-------|-------|---|-----|-----|-----|-----|-----|----|----|
| 1   | 2 | 3     | 4     | 5 | 6   | 7   | 8   | 9   | 10  | 11 | 12 |
| 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 |    | 0  |

|      |      |      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|------|------|-------|
| 50.7 | 50.7 | 50.8 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9  |
| 51.4 | 51.4 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7  |
| 51.7 | 51.7 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9  |
| 51.7 | 51.8 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8  |
| 54.1 | 54.1 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2  |
| 55.1 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3  |
| 57.2 | 57.1 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2  |
| 57.5 | 57.4 | 57.4 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5  |
| 62.1 | 62.1 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2  |
| 63.1 | 63.1 | 62.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3  |
| 65.1 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3  |
| 69.1 | 69.1 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3  |
| 71.3 | 71.4 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5  |
| 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  |
| 75.2 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3  |
| 76.5 | 76.5 | 76.5 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7  |
| 82.3 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3  |
| 85.2 | 85.2 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4  |
| 85.4 | 85.5 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7  |
| 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3  |
| 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4  |
| 89.1 | 89.1 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5  |
| 90.0 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3  |
| 91.4 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3  |
| 92.2 | 92.3 | 92.1 | 92.1 | 92.2 | 92.3 | 92.3 | 92.2 | 92.3 | 92.3 | 92.3  |
| 93.3 | 93.1 | 93.2 | 94.2 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7  |
| 95.0 | 94.7 | 95.3 | 95.3 | 95.3 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2  |
| 95.3 | 95.1 | 97.2 | 97.2 | 97.3 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3  |
| 99.7 | 99.2 | 99.3 | 99.3 | 99.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 | 99.0  |
| 99.7 | 97.5 | 99.4 | 99.4 | 99.7 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7  |
| 99.9 | 97.1 | 99.5 | 99.5 | 99.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 100.0 |
| 99.9 | 97.1 | 99.6 | 99.5 | 99.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 100.0 |

OPERATING LOCATION: "A"  
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLIM  
AT 1000 HOURS OBSERVATIONS

STATION NUMBER: 725056

STATION NAME: WEASE AIRB IN  
LST TO UTC: + 5

PERIOD:  
DATE:

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 0<br>7 | 0<br>8 | 0<br>9 | 0<br>4 | 0<br>5 | 0<br>1 1/2 | 0<br>1 | 0<br>1 1/4 | 0<br>1 1/4 | 0<br>1 |
|------------|--------|--------|--------|--------|--------|------------|--------|------------|------------|--------|
| NO CEIL    | 50.3   | 50.5   | 50.3   | 51.0   | 51.2   | 51.4       | 51.4   | 51.5       | 51.5       | 51.7   |
| GE 20000   | 52.4   | 52.7   | 53.0   | 53.1   | 53.3   | 53.5       | 53.4   | 53.7       | 54.7       | 55.1   |
| GE 18000   | 52.7   | 52.8   | 53.1   | 53.2   | 53.4   | 53.7       | 53.7   | 53.7       | 53.7       | 53.9   |
| GE 16000   | 52.6   | 52.8   | 53.1   | 53.2   | 53.4   | 53.7       | 53.7   | 53.7       | 53.7       | 53.9   |
| GE 14000   | 52.7   | 52.8   | 53.2   | 53.3   | 53.5   | 53.8       | 53.8   | 53.8       | 53.8       | 54.0   |
| GE 12000   | 53.4   | 53.7   | 54.0   | 54.1   | 54.3   | 54.6       | 54.6   | 54.7       | 54.7       | 54.9   |
| GE 10000   | 55.2   | 55.5   | 55.0   | 55.2   | 55.7   | 56.0       | 56.0   | 57.0       | 57.0       | 57.1   |
| GE 9000    | 56.1   | 56.2   | 57.0   | 57.2   | 57.7   | 57.7       | 57.9   | 58.0       | 58.2       | 58.1   |
| GE 8000    | 58.1   | 58.3   | 58.2   | 58.4   | 58.9   | 59.3       | 59.3   | 59.3       | 59.3       | 59.7   |
| GE 7000    | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9       | 59.9   | 59.9       | 59.9       | 59.9   |
| GE 6000    | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9       | 59.9   | 59.9       | 59.9       | 59.9   |
| GE 5000    | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9       | 59.9   | 59.9       | 59.9       | 59.9   |
| GE 4500    | 59.9   | 59.9   | 59.9   | 59.9   | 59.9   | 59.9       | 59.9   | 59.9       | 59.9       | 59.9   |
| GE 4000    | 70.2   | 71.2   | 71.3   | 72.0   | 72.7   | 73.2       | 73.5   | 73.7       | 73.7       | 73.7   |
| GE 3500    | 71.0   | 72.0   | 72.7   | 72.9   | 73.7   | 74.2       | 74.3   | 74.2       | 74.2       | 74.2   |
| GE 3000    | 73.3   | 74.7   | 75.7   | 75.9   | 75.9   | 77.4       | 77.7   | 77.9       | 77.7       | 77.7   |
| GE 2500    | 75.2   | 77.2   | 77.2   | 77.7   | 77.7   | 78.2       | 78.5   | 78.5       | 78.5       | 78.5   |
| GE 2000    | 78.2   | 78.1   | 78.2   | 78.2   | 78.2   | 78.2       | 78.2   | 78.2       | 78.2       | 78.2   |
| GE 1800    | 79.2   | 79.4   | 79.5   | 79.5   | 79.5   | 79.5       | 79.5   | 79.5       | 79.5       | 79.5   |
| GE 1600    | 79.1   | 79.5   | 79.5   | 79.5   | 79.5   | 79.5       | 79.5   | 79.5       | 79.5       | 79.5   |
| GE 1200    | 79.7   | 79.1   | 79.3   | 79.7   | 79.7   | 79.7       | 79.7   | 79.7       | 79.7       | 79.7   |
| GE 1000    | 79.9   | 79.4   | 79.7   | 79.3   | 79.7   | 79.7       | 79.7   | 79.7       | 79.7       | 79.7   |
| GE 900     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 800     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 700     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 600     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 500     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 400     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 300     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 200     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 100     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |
| GE 000     | 79.1   | 79.3   | 79.3   | 79.3   | 79.3   | 79.3       | 79.3   | 79.3       | 79.3       | 79.3   |

TOTAL NUMBER OF OBSERVATIONS 900

2 - 2 - 00

A



OPERATING LOCATION "A"  
USAF TAC, ASH-VILL NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLOUD  
HEIGHTS DURING THE PERIOD

STATION NUMBER: 720055

STATION NAME: PEARL AFB TX

DATE: 1-1-61

LST TO UTC: + 5

MOBILE:

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 31<br>7 | 32<br>2 | 33<br>5 | 34<br>4 | 35<br>3 | 36<br>2 1/2 | 37<br>2 | 38<br>1 1/2 | 39<br>1 1/4 | 40<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 46.5 | 46.9 | 47.1 | 47.3 | 47.4 | 47.6 | 47.7 | 47.9 | 47.9 | 47.9 |
| GE 20000 | 50.4 | 50.7 | 51.1 | 51.3 | 51.4 | 51.5 | 51.7 | 51.9 | 51.9 | 51.9 |
| GE 18000 | 50.7 | 51.1 | 51.5 | 51.7 | 51.8 | 52.0 | 52.1 | 52.3 | 52.3 | 52.4 |
| GE 16000 | 50.9 | 51.2 | 51.5 | 51.7 | 51.9 | 52.1 | 52.2 | 52.3 | 52.3 | 52.4 |
| GE 14000 | 51.2 | 51.7 | 52.0 | 52.2 | 52.3 | 52.5 | 52.7 | 52.8 | 52.8 | 52.9 |
| GE 12000 | 52.2 | 52.7 | 53.0 | 53.3 | 53.4 | 53.6 | 53.7 | 53.9 | 53.9 | 54.0 |
| GE 10000 | 53.0 | 53.6 | 53.9 | 54.2 | 54.3 | 54.5 | 54.7 | 54.8 | 54.8 | 54.9 |
| GE 8000  | 53.0 | 53.5 | 57.2 | 57.3 | 57.2 | 57.7 | 57.9 | 58.0 | 58.0 | 58.1 |
| GE 6000  | 54.3 | 54.3 | 59.7 | 51.0 | 51.3 | 51.5 | 51.7 | 51.9 | 51.9 | 52.0 |
| GE 4000  | 50.5 | 51.2 | 51.5 | 52.1 | 52.4 | 52.7 | 52.8 | 53.0 | 53.0 | 53.1 |
| GE 3000  | 51.7 | 52.4 | 53.0 | 53.7 | 54.0 | 54.2 | 54.4 | 54.5 | 54.5 | 54.7 |
| GE 2500  | 54.0 | 55.3 | 55.4 | 56.5 | 56.9 | 57.2 | 57.4 | 57.5 | 57.5 | 57.7 |
| GE 2000  | 55.0 | 57.4 | 58.2 | 58.2 | 58.3 | 58.5 | 58.6 | 58.8 | 58.9 | 59.1 |
| GE 1800  | 57.0 | 57.8 | 73.5 | 71.1 | 71.5 | 71.9 | 72.2 | 72.4 | 72.4 | 72.5 |
| GE 1600  | 72.0 | 71.5 | 72.5 | 74.1 | 73.7 | 74.2 | 74.2 | 74.4 | 74.4 | 74.5 |
| GE 1400  | 73.1 | 74.2 | 75.2 | 75.0 | 75.5 | 75.7 | 77.3 | 77.4 | 77.4 | 77.5 |
| GE 1200  | 75.3 | 75.4 | 77.5 | 78.2 | 78.1 | 79.4 | 79.7 | 79.9 | 79.9 | 80.1 |
| GE 1000  | 77.0 | 77.3 | 78.2 | 80.3 | 81.2 | 81.9 | 82.0 | 82.0 | 82.1 | 82.2 |
| GE 800   | 72.4 | 72.7 | 73.9 | 80.5 | 81.7 | 82.1 | 82.4 | 82.6 | 82.6 | 82.7 |
| GE 600   | 73.4 | 72.7 | 81.0 | 82.1 | 83.2 | 84.5 | 84.9 | 85.2 | 84.2 | 84.4 |
| GE 400   | 79.5 | 73.4 | 82.4 | 83.5 | 84.5 | 85.4 | 85.5 | 86.0 | 85.9 | 86.2 |
| GE 300   | 80.1 | 81.5 | 83.1 | 84.5 | 85.0 | 85.5 | 85.5 | 87.1 | 87.2 | 87.4 |
| GE 200   | 82.0 | 81.8 | 83.7 | 85.2 | 85.1 | 87.4 | 87.4 | 88.1 | 88.1 | 88.3 |
| GE 100   | 80.9 | 82.4 | 84.2 | 85.9 | 87.7 | 88.3 | 88.3 | 89.1 | 89.1 | 89.4 |
| GE 500   | 81.1 | 82.2 | 84.7 | 85.5 | 86.5 | 89.3 | 89.3 | 89.2 | 89.3 | 89.5 |
| GE 400   | 81.3 | 83.0 | 85.1 | 87.7 | 89.5 | 90.0 | 91.3 | 91.5 | 91.5 | 92.0 |
| GE 300   | 81.4 | 83.2 | 85.3 | 87.5 | 89.2 | 91.5 | 92.4 | 93.0 | 93.2 | 93.5 |
| GE 200   | 81.5 | 83.4 | 85.5 | 88.1 | 89.3 | 92.5 | 93.5 | 94.3 | 94.5 | 95.0 |
| GE 100   | 81.5 | 83.4 | 85.7 | 88.2 | 91.3 | 93.1 | 94.4 | 95.5 | 95.9 | 95.7 |
| GE 500   | 81.5 | 83.4 | 85.7 | 88.2 | 91.3 | 93.1 | 94.5 | 95.5 | 95.9 | 95.7 |

TOTAL NUMBER OF OBSERVATIONS 7200



OPERATING LOCATION NAME  
USAFETAS, ASH-VILLE, NC

PERCENTAGE ESTIMATED FROM DATA TO BE USED  
FOR CORRECTION OF OBSERVATIONS

STATION NUMBER: 745055

STATION NAME: REAS, AFB, NC

STATION

EST. TIME: + 5

STATION

CEILING

VISIBILITY IN STATUTE MILES

| IN   | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
|------|----|----|----|----|----|----|----|----|----|----|
| FEET | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  | 7  |

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| 67 20000 | 51.7 | 51.7 | 52.4 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 68 18000 | 52.2 | 52.3 | 52.3 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| 69 16000 | 52.3 | 52.4 | 52.9 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 68 14000 | 52.3 | 52.3 | 53.1 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| 68 12000 | 53.7 | 53.7 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| 68 10000 | 55.7 | 57.0 | 57.5 | 57.5 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 68 8000  | 57.3 | 57.1 | 57.7 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 68 6000  | 59.3 | 59.7 | 59.3 | 59.3 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| 68 4000  | 61.1 | 61.5 | 61.5 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 68 2000  | 62.3 | 62.3 | 63.3 | 64.1 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| 68 1000  | 65.7 | 65.2 | 67.5 | 68.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 68 500   | 67.1 | 68.0 | 68.4 | 70.3 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| 68 200   | 69.3 | 70.0 | 70.7 | 72.2 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 68 100   | 71.3 | 72.5 | 73.3 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 68 50    | 74.3 | 74.0 | 75.5 | 77.4 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 68 25    | 76.3 | 76.1 | 77.1 | 78.3 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 68 10    | 77.3 | 77.2 | 78.3 | 81.0 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| 68 5     | 77.7 | 78.2 | 78.5 | 81.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 68 1     | 77.7 | 78.7 | 80.2 | 82.2 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 67 1200  | 78.3 | 79.1 | 80.3 | 82.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 67 1000  | 78.7 | 79.7 | 81.4 | 84.0 | 85.8 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 67 800   | 79.1 | 80.3 | 82.4 | 85.2 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 67 600   | 79.2 | 80.4 | 82.5 | 85.3 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| 67 400   | 79.5 | 80.5 | 83.0 | 86.1 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| 67 200   | 79.3 | 80.5 | 83.1 | 86.2 | 88.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 67 100   | 79.5 | 80.5 | 83.1 | 86.2 | 88.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 67 50    | 79.5 | 80.5 | 83.1 | 86.2 | 88.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 67 25    | 79.5 | 80.5 | 83.1 | 86.2 | 88.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 67 10    | 79.5 | 80.5 | 83.1 | 86.2 | 88.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 67 5     | 79.5 | 80.5 | 83.1 | 86.2 | 88.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 67 1     | 79.5 | 80.5 | 83.1 | 86.2 | 88.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |

TOTAL NUMBER OF OBSERVATIONS 730

0 - 2 - 100





OPERATING LOCATION: WAM  
USAF/AFM, APO/AFM, 10

REPORTING OFFICE: WAM/AFM, 10  
DATE: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

STATION: 10/10/10

TOTAL: 10/10/10

10/10/10

A

10/10/10

### 3.1.2. DENSITY OF OCCURRENCE OF SWILING VERSUS VISIBILITY

PERIOD: 1964-1969: JUL 79 - JUN 80  
MONTH: DEC YEARS: 93-95

[illegible]

OPERATING LOCATION NAME  
USA-12, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CELL  
100% 1/1 100% 1/1

STATION CODE: 726053

STATION NAME: ROAD 2000m

EST. TIME: 4.5

11.1

11.1

CEILING

VISIBILITY IN STATUT MILES

IN 5 6 7 8 9 10 11 12 13 14 15  
FEET 1 2 3 4 5 6 7 8 9 10 11

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CELL  | 40.0 | 40.0 | 47.0 | 47.0 | 47.7 | 47.3 | 47.0 | 47.0 | 47.0 | 47.0 |
| GE 20000 | 40.0 | 40.0 | 41.3 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 15000 | 40.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 10000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 14000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 12000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 11000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 10000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 9000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 8000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 7000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 6000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 5000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 4000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 3000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 2000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 1000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 0000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 1000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 2000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 3000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 4000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 5000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 6000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 7000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 8000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 9000  | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 10000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 11000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 12000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 13000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 14000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 15000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 16000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 17000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 18000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 19000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| GE 20000 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |

TOTAL NUMBER OF OBSERVATIONS 240

1 - 2 - 100

A





# RELATIONSHIP OF OCCURRENCE OF GAILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 80  
 42911: DEC HOURS: 09-11

WIND IN STATUTE MILES

| 1/    | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/    | 1 1/2 | 1 1/2 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 1/4   | 0     |
| 45.3  | 45.3  | 45.3  | 45.3  | 45.3  | 45.3  | 45.3  | 45.3  | 45.3  | 45.3  | 45.3  |
| 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  | 52.3  |
| 54.3  | 54.3  | 54.3  | 54.3  | 54.3  | 54.3  | 54.3  | 54.3  | 54.3  | 54.3  | 54.3  |
| 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 57.3  | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  |
| 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  |
| 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  |
| 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  | 65.1  |
| 66.4  | 66.4  | 66.4  | 66.4  | 66.4  | 66.4  | 66.4  | 66.4  | 66.4  | 66.4  | 66.4  |
| 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  | 69.9  |
| 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  | 72.3  |
| 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  | 73.7  |
| 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  |
| 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  |
| 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  |
| 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  |
| 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  |
| 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  |
| 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  | 88.5  |
| 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  |
| 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  |
| 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  |
| 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  |
| 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  |
| 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  |
| 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

5

OPERATING LOCATION: "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE EFFICIENCY OF RECORDANCE OF STATION  
+ 14 JULY 1957-VARIOUS

STATION NUMBER: 725055

STATION NAME: PEAS- AF 100  
LST TO DEC: + 5

DATE: 10/1/57  
MONTH: 10

CEILING

VISIBILITY IN STATION MILES

| IN<br>FEET | 37<br>7 | 36<br>6 | 35<br>5 | 34<br>4 | 33<br>3 | 32<br>2 1/2 | 31<br>2 | 30<br>1 1/2 | 29<br>1 1/4 | 28<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| 41 CEIL    | 43.3    | 44.0    | 44.1    | 44.1    | 44.1    | 44.1        | 44.1    | 44.1        | 44.2        | 44.3    |
| 35 20000   | 50.3    | 50.3    | 51.0    | 51.0    | 51.0    | 51.0        | 51.0    | 51.1        | 51.2        | 51.2    |
| 35 18000   | 51.3    | 52.5    | 52.7    | 52.7    | 52.7    | 52.7        | 52.7    | 52.8        | 52.9        | 52.9    |
| 35 16000   | 51.0    | 52.5    | 52.7    | 52.7    | 52.7    | 52.7        | 52.7    | 52.7        | 52.9        | 52.9    |
| 35 14000   | 52.0    | 52.2    | 53.3    | 53.3    | 53.3    | 53.3        | 53.3    | 53.1        | 53.2        | 53.2    |
| 35 12000   | 54.5    | 55.2    | 55.4    | 55.4    | 55.4    | 55.4        | 55.4    | 55.5        | 55.7        | 55.7    |
| 35 10000   | 56.0    | 56.5    | 56.5    | 56.5    | 56.5    | 56.5        | 56.5    | 56.7        | 56.7        | 56.7    |
| 35 8000    | 57.7    | 57.7    | 57.7    | 57.7    | 57.7    | 57.7        | 57.7    | 57.7        | 57.7        | 57.7    |
| 35 6000    | 59.1    | 59.9    | 59.5    | 59.5    | 59.5    | 59.5        | 59.5    | 59.5        | 59.5        | 59.5    |
| 35 4000    | 65.4    | 65.3    | 67.2    | 67.2    | 67.2    | 67.2        | 67.2    | 67.2        | 67.2        | 67.2    |
| 35 3000    | 65.7    | 67.1    | 67.2    | 68.3    | 68.1    | 68.1        | 68.1    | 68.1        | 68.1        | 68.4    |
| 35 2000    | 67.1    | 68.3    | 69.1    | 69.2    | 69.4    | 69.4        | 69.4    | 69.4        | 69.4        | 69.4    |
| 35 1500    | 68.3    | 69.7    | 70.2    | 70.2    | 71.1    | 71.1        | 71.1    | 71.1        | 71.1        | 71.1    |
| 35 1000    | 71.4    | 72.5    | 73.4    | 73.7    | 74.2    | 74.2        | 74.2    | 74.2        | 74.2        | 74.2    |
| 35 800     | 74.4    | 74.5    | 76.7    | 77.1    | 77.1    | 77.4        | 77.4    | 77.4        | 77.4        | 77.4    |
| 35 600     | 77.1    | 77.3    | 79.2    | 80.1    | 80.7    | 80.5        | 80.5    | 81.1        | 81.2        | 81.2    |
| 35 400     | 78.3    | 79.2    | 81.5    | 82.1    | 82.1    | 82.3        | 82.3    | 82.4        | 82.4        | 82.4    |
| 35 300     | 80.4    | 81.5    | 83.2    | 83.2    | 83.5    | 83.7        | 83.7    | 83.4        | 83.4        | 83.4    |
| 35 1800    | 81.1    | 82.7    | 83.2    | 84.2    | 85.2    | 85.4        | 85.4    | 85.9        | 85.9        | 85.9    |
| 35 1600    | 82.2    | 83.5    | 85.2    | 85.2    | 85.5    | 85.7        | 85.7    | 87.4        | 87.4        | 87.4    |
| 35 1200    | 84.1    | 84.7    | 87.5    | 87.5    | 88.4    | 89.7        | 89.7    | 90.3        | 90.7        | 90.7    |
| 35 1000    | 84.7    | 85.3    | 87.7    | 88.1    | 89.2    | 89.2        | 89.2    | 91.2        | 91.1        | 91.7    |
| 35 800     | 84.3    | 85.2    | 87.2    | 87.3    | 89.1    | 89.7        | 89.7    | 91.3        | 91.3        | 92.1    |
| 35 600     | 84.5    | 85.2    | 88.2    | 88.2    | 89.2    | 90.5        | 90.5    | 91.3        | 91.3        | 92.4    |
| 35 400     | 84.2    | 85.3    | 88.7    | 89.2    | 90.3    | 91.2        | 91.4    | 92.3        | 92.3        | 93.0    |
| 35 300     | 84.3    | 85.5    | 89.5    | 90.1    | 91.3    | 91.7        | 92.5    | 92.7        | 93.3        | 93.9    |
| 35 200     | 84.2    | 85.5    | 89.7    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |
| 35 150     | 84.3    | 85.5    | 89.9    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |
| 35 100     | 84.2    | 85.5    | 89.9    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |
| 35 80      | 84.2    | 85.5    | 89.9    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |
| 35 60      | 84.2    | 85.5    | 89.9    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |
| 35 40      | 84.2    | 85.5    | 89.9    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |
| 35 30      | 84.2    | 85.5    | 89.9    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |
| 35 20      | 84.2    | 85.5    | 89.9    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |
| 35 10      | 84.2    | 85.5    | 89.9    | 90.3    | 91.5    | 92.3        | 92.5    | 93.3        | 93.3        | 94.4    |

TOTAL NUMBER OF OBSERVATIONS 930

# THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY - 14 HOURLY OBSERVATIONS

STATION: ..... PERIOD OF RECORD: JUL 77 - JUN 87  
MONTH: DEC HOURS: 12-14

## CEILING IN STATUTE MILES

| 1/2   | 5/8   | 3/4   | 1     | 5/4   | 3/2   | 7/4   | 2     | 5/2   | 3     | 5     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2   | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |       |
| 44.1  | 44.1  | 44.2  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  |
| 51.1  | 51.1  | 51.1  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  |
| 52.1  | 52.1  | 52.1  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  |
| 53.1  | 53.1  | 53.1  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  |
| 55.1  | 55.1  | 55.1  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  |
| 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  |
| 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  | 60.1  |
| 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  |
| 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  | 67.1  |
| 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  |
| 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  |
| 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  | 71.1  |
| 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  | 74.1  |
| 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  |
| 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  |
| 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  |
| 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  |
| 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  | 86.1  |
| 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  |
| 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  |
| 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  |
| 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  |
| 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  | 93.1  |
| 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  |
| 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  |
| 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  |
| 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  | 97.1  |
| 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 |



OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
AND VISIBILITY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: PEASE AFB, GA  
LST TO HQ: + 5

PERIOD OF  
OBSERVATION: 10/1/54 - 10/31/54

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | SE<br>5 | SE<br>5 | SE<br>4 | SE<br>3 | SE<br>2 1/2 | SE<br>2 | SE<br>1 1/2 | SE<br>1 1/4 | SE<br>1 | SE<br>3/4 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|
| NO CEIL    | 43.0    | 43.0    | 43.0    | 43.0    | 43.0    | 43.0        | 43.0    | 43.0        | 43.0        | 43.0    | 43.0      |
| GE 20000   | 44.5    | 44.5    | 44.5    | 44.5    | 44.5    | 44.5        | 44.5    | 44.5        | 44.5        | 44.5    | 44.5      |
| GE 15000   | 42.2    | 42.5    | 42.5    | 42.5    | 42.5    | 42.5        | 42.5    | 42.5        | 42.5        | 42.5    | 42.5      |
| GE 10000   | 40.2    | 40.5    | 40.5    | 40.5    | 40.5    | 40.5        | 40.5    | 40.5        | 40.5        | 40.5    | 40.5      |
| GE 14000   | 50.2    | 50.2    | 50.2    | 50.2    | 50.2    | 50.2        | 50.2    | 50.2        | 50.2        | 50.2    | 50.2      |
| GE 12000   | 52.7    | 52.9    | 52.9    | 52.9    | 52.9    | 52.9        | 52.9    | 52.9        | 52.9        | 52.9    | 52.9      |
| GE 10000   | 55.0    | 55.2    | 55.5    | 55.5    | 55.5    | 55.5        | 55.5    | 55.5        | 55.5        | 55.5    | 55.5      |
| GE 9000    | 56.5    | 56.5    | 56.5    | 56.5    | 56.5    | 56.5        | 56.5    | 56.5        | 56.5        | 56.5    | 56.5      |
| GE 8000    | 57.1    | 57.1    | 57.1    | 57.1    | 57.1    | 57.1        | 57.1    | 57.1        | 57.1        | 57.1    | 57.1      |
| GE 7000    | 58.3    | 58.3    | 58.3    | 58.3    | 58.3    | 58.3        | 58.3    | 58.3        | 58.3        | 58.3    | 58.3      |
| GE 6000    | 59.5    | 59.5    | 59.5    | 59.5    | 59.5    | 59.5        | 59.5    | 59.5        | 59.5        | 59.5    | 59.5      |
| GE 5000    | 60.7    | 60.7    | 60.7    | 60.7    | 60.7    | 60.7        | 60.7    | 60.7        | 60.7        | 60.7    | 60.7      |
| GE 4000    | 61.9    | 61.9    | 61.9    | 61.9    | 61.9    | 61.9        | 61.9    | 61.9        | 61.9        | 61.9    | 61.9      |
| GE 3000    | 63.1    | 63.1    | 63.1    | 63.1    | 63.1    | 63.1        | 63.1    | 63.1        | 63.1        | 63.1    | 63.1      |
| GE 2000    | 64.3    | 64.3    | 64.3    | 64.3    | 64.3    | 64.3        | 64.3    | 64.3        | 64.3        | 64.3    | 64.3      |
| GE 1000    | 65.5    | 65.5    | 65.5    | 65.5    | 65.5    | 65.5        | 65.5    | 65.5        | 65.5        | 65.5    | 65.5      |
| GE 500     | 66.7    | 66.7    | 66.7    | 66.7    | 66.7    | 66.7        | 66.7    | 66.7        | 66.7        | 66.7    | 66.7      |
| GE 200     | 67.9    | 67.9    | 67.9    | 67.9    | 67.9    | 67.9        | 67.9    | 67.9        | 67.9        | 67.9    | 67.9      |
| GE 100     | 69.1    | 69.1    | 69.1    | 69.1    | 69.1    | 69.1        | 69.1    | 69.1        | 69.1        | 69.1    | 69.1      |
| GE 50      | 70.3    | 70.3    | 70.3    | 70.3    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        | 70.3    | 70.3      |
| GE 20      | 71.5    | 71.5    | 71.5    | 71.5    | 71.5    | 71.5        | 71.5    | 71.5        | 71.5        | 71.5    | 71.5      |
| GE 10      | 72.7    | 72.7    | 72.7    | 72.7    | 72.7    | 72.7        | 72.7    | 72.7        | 72.7        | 72.7    | 72.7      |
| GE 5       | 73.9    | 73.9    | 73.9    | 73.9    | 73.9    | 73.9        | 73.9    | 73.9        | 73.9        | 73.9    | 73.9      |
| GE 2       | 75.1    | 75.1    | 75.1    | 75.1    | 75.1    | 75.1        | 75.1    | 75.1        | 75.1        | 75.1    | 75.1      |
| GE 1       | 76.3    | 76.3    | 76.3    | 76.3    | 76.3    | 76.3        | 76.3    | 76.3        | 76.3        | 76.3    | 76.3      |
| GE 0       | 77.5    | 77.5    | 77.5    | 77.5    | 77.5    | 77.5        | 77.5    | 77.5        | 77.5        | 77.5    | 77.5      |
| GE 20000   | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7        | 78.7    | 78.7        | 78.7        | 78.7    | 78.7      |
| GE 15000   | 79.9    | 79.9    | 79.9    | 79.9    | 79.9    | 79.9        | 79.9    | 79.9        | 79.9        | 79.9    | 79.9      |
| GE 10000   | 81.1    | 81.1    | 81.1    | 81.1    | 81.1    | 81.1        | 81.1    | 81.1        | 81.1        | 81.1    | 81.1      |
| GE 9000    | 82.3    | 82.3    | 82.3    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    | 82.3      |
| GE 8000    | 83.5    | 83.5    | 83.5    | 83.5    | 83.5    | 83.5        | 83.5    | 83.5        | 83.5        | 83.5    | 83.5      |
| GE 7000    | 84.7    | 84.7    | 84.7    | 84.7    | 84.7    | 84.7        | 84.7    | 84.7        | 84.7        | 84.7    | 84.7      |
| GE 6000    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        | 85.9    | 85.9      |
| GE 5000    | 87.1    | 87.1    | 87.1    | 87.1    | 87.1    | 87.1        | 87.1    | 87.1        | 87.1        | 87.1    | 87.1      |
| GE 4000    | 88.3    | 88.3    | 88.3    | 88.3    | 88.3    | 88.3        | 88.3    | 88.3        | 88.3        | 88.3    | 88.3      |
| GE 3000    | 89.5    | 89.5    | 89.5    | 89.5    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      |
| GE 2000    | 90.7    | 90.7    | 90.7    | 90.7    | 90.7    | 90.7        | 90.7    | 90.7        | 90.7        | 90.7    | 90.7      |
| GE 1000    | 91.9    | 91.9    | 91.9    | 91.9    | 91.9    | 91.9        | 91.9    | 91.9        | 91.9        | 91.9    | 91.9      |
| GE 500     | 93.1    | 93.1    | 93.1    | 93.1    | 93.1    | 93.1        | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      |
| GE 200     | 94.3    | 94.3    | 94.3    | 94.3    | 94.3    | 94.3        | 94.3    | 94.3        | 94.3        | 94.3    | 94.3      |
| GE 100     | 95.5    | 95.5    | 95.5    | 95.5    | 95.5    | 95.5        | 95.5    | 95.5        | 95.5        | 95.5    | 95.5      |
| GE 50      | 96.7    | 96.7    | 96.7    | 96.7    | 96.7    | 96.7        | 96.7    | 96.7        | 96.7        | 96.7    | 96.7      |
| GE 20      | 97.9    | 97.9    | 97.9    | 97.9    | 97.9    | 97.9        | 97.9    | 97.9        | 97.9        | 97.9    | 97.9      |
| GE 10      | 99.1    | 99.1    | 99.1    | 99.1    | 99.1    | 99.1        | 99.1    | 99.1        | 99.1        | 99.1    | 99.1      |
| GE 5       | 100.3   | 100.3   | 100.3   | 100.3   | 100.3   | 100.3       | 100.3   | 100.3       | 100.3       | 100.3   | 100.3     |
| GE 2       | 101.5   | 101.5   | 101.5   | 101.5   | 101.5   | 101.5       | 101.5   | 101.5       | 101.5       | 101.5   | 101.5     |
| GE 1       | 102.7   | 102.7   | 102.7   | 102.7   | 102.7   | 102.7       | 102.7   | 102.7       | 102.7       | 102.7   | 102.7     |
| GE 0       | 103.9   | 103.9   | 103.9   | 103.9   | 103.9   | 103.9       | 103.9   | 103.9       | 103.9       | 103.9   | 103.9     |

TOTAL PERCENT OF OBSERVATIONS 100

10 - 2 - 105

A

DE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 72 - JUN 73  
 MONTH: DEC HOURS: 15-17

.....  
 VISIBILITY IN STATUTE MILES

.....  
 1/2 1 1 1/2 1 1/4 1 3/4 5/8 1/2 3/8 1/4 0  
 .....  
 .....

43.0 43.0 43.0 43.0 43.0 43.0 43.0 43.0 43.0 43.0 43.0 43.0

44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0 44.0

45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0 45.0

46.0 46.0 46.0 46.0 46.0 46.0 46.0 46.0 46.0 46.0 46.0 46.0

47.0 47.0 47.0 47.0 47.0 47.0 47.0 47.0 47.0 47.0 47.0 47.0

48.0 48.0 48.0 48.0 48.0 48.0 48.0 48.0 48.0 48.0 48.0 48.0

49.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0

50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0

51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0

52.0 52.0 52.0 52.0 52.0 52.0 52.0 52.0 52.0 52.0 52.0 52.0

53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0 53.0

54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0

55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0 55.0

56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0

57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0

58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0 58.0

59.0 59.0 59.0 59.0 59.0 59.0 59.0 59.0 59.0 59.0 59.0 59.0

60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0

61.0 61.0 61.0 61.0 61.0 61.0 61.0 61.0 61.0 61.0 61.0 61.0

62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0 62.0

63.0 63.0 63.0 63.0 63.0 63.0 63.0 63.0 63.0 63.0 63.0 63.0

64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0

65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0

66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0

67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0 67.0

68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0

69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0

70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.0

71.0 71.0 71.0 71.0 71.0 71.0 71.0 71.0 71.0 71.0 71.0 71.0

72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0

73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0 73.0

74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0

75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0

76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0

77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0 77.0

78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0

79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0 79.0

80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0

81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0 81.0

82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0

83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0

84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0 84.0

85.0 85.0 85.0 85.0 85.0 85.0 85.0 85.0 85.0 85.0 85.0 85.0

OPERATING LOCATION: WAW  
USAF-1AC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
AND VISIBILITY OBSERVATIONS

STATION NUMBER: 725055

STATION NAME: PEASE AFB, GA

LSI TO DTC: + 5

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 31<br>7 | 32<br>5 | 33<br>5 | 34<br>4 | 35<br>3 | 36<br>2 1/2 | 37<br>2 | 38<br>1 1/2 | 39<br>1 1/4 | 40<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|

|          |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|
| NO CIL   | 40.1 | 41.1 | 42.2 | 43.5 | 43.5 | 44.5 | 45.5 | 46.5 | 47.5 | 48.5 |
| GE 20000 | 51.1 | 51.1 | 51.2 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| GE 18000 | 51.2 | 51.2 | 52.2 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 16000 | 52.2 | 52.2 | 52.3 | 52.5 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| GE 14000 | 52.5 | 52.5 | 52.7 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| GE 12000 | 53.5 | 53.5 | 53.5 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| GE 10000 | 54.2 | 54.2 | 54.1 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 8000  | 54.2 | 54.2 | 54.1 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 6000  | 54.2 | 54.2 | 54.1 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 4000  | 55.2 | 55.2 | 55.2 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 2000  | 57.2 | 57.2 | 57.3 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 1000  | 59.4 | 59.4 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 4000  | 71.1 | 71.1 | 71.8 | 72.5 | 72.7 | 73.1 | 73.1 | 73.2 | 73.2 | 73.2 |
| GE 3000  | 73.1 | 73.1 | 73.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 2000  | 75.2 | 75.2 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 1000  | 77.2 | 77.2 | 77.4 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 2000  | 79.4 | 79.4 | 79.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 1000  | 82.2 | 82.2 | 81.5 | 82.2 | 82.5 | 83.1 | 83.1 | 83.7 | 83.7 | 83.7 |
| GE 1000  | 83.2 | 83.2 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 1000  | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 1000  | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 1000  | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 1000  | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1000  | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 1000  | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 1000  | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 1000  | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 1000  | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 1000  | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 1000  | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 1000  | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 1000  | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1000  | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1000  | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1000  | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS 230

0 - 2 - 100



OPERATING LOCATION: "A"  
USAFETAC, ASH-VILLE, NC

RECEIVING STATION: "B" (MOBILE) (NOT ON SITE)  
14 JULY 1964

STATION NUMBER: 725055

STATION NAME: PHAS, 40-1-14

1ST TO 100: 4-5

| CEILING      |      |      |      |      |      | VISIBILITY IN STATUTE MILES |      |      |      |      |
|--------------|------|------|------|------|------|-----------------------------|------|------|------|------|
| 10<br>FEET   | 20   | 30   | 40   | 50   | 60   | 70                          | 80   | 90   | 100  | 110  |
| 7            | 8    | 9    | 10   | 11   | 12   | 13                          | 14   | 15   | 16   | 17   |
| NO CEIL      | 45.7 | 46.2 | 47.0 | 47.2 | 47.4 | 47.6                        | 47.6 | 47.7 | 47.7 | 47.7 |
| GE 20000     | 51.0 | 51.1 | 51.3 | 51.5 | 51.7 | 51.8                        | 51.8 | 51.8 | 51.8 | 51.8 |
| GE 18000     | 51.0 | 51.5 | 51.7 | 52.0 | 52.3 | 52.5                        | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 16000     | 51.0 | 51.7 | 51.9 | 52.5 | 52.5 | 52.5                        | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 14000     | 52.0 | 52.2 | 52.4 | 52.7 | 52.8 | 52.8                        | 52.8 | 52.8 | 52.8 | 52.8 |
| GE 12000     | 53.0 | 53.0 | 53.7 | 54.1 | 54.3 | 54.3                        | 54.3 | 54.3 | 54.3 | 54.3 |
| GE 10000     | 54.0 | 54.2 | 55.1 | 55.6 | 55.8 | 55.8                        | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 8000      | 55.0 | 55.5 | 56.7 | 57.1 | 57.3 | 57.3                        | 57.3 | 57.3 | 57.3 | 57.3 |
| GE 6000      | 56.0 | 56.4 | 57.5 | 58.0 | 58.2 | 58.2                        | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 4000      | 57.0 | 57.4 | 58.5 | 59.0 | 59.2 | 59.2                        | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 2000      | 58.0 | 58.4 | 59.5 | 60.0 | 60.2 | 60.2                        | 60.2 | 60.2 | 60.2 | 60.2 |
| GE 1000      | 59.0 | 59.4 | 60.5 | 61.0 | 61.2 | 61.2                        | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 500       | 60.0 | 60.4 | 61.5 | 62.0 | 62.2 | 62.2                        | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 200       | 61.0 | 61.4 | 62.5 | 63.0 | 63.2 | 63.2                        | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 100       | 62.0 | 62.4 | 63.5 | 64.0 | 64.2 | 64.2                        | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 50        | 63.0 | 63.4 | 64.5 | 65.0 | 65.2 | 65.2                        | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 20        | 64.0 | 64.4 | 65.5 | 66.0 | 66.2 | 66.2                        | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 10        | 65.0 | 65.4 | 66.5 | 67.0 | 67.2 | 67.2                        | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 5         | 66.0 | 66.4 | 67.5 | 68.0 | 68.2 | 68.2                        | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 2         | 67.0 | 67.4 | 68.5 | 69.0 | 69.2 | 69.2                        | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 1         | 68.0 | 68.4 | 69.5 | 70.0 | 70.2 | 70.2                        | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 0.5       | 69.0 | 69.4 | 70.5 | 71.0 | 71.2 | 71.2                        | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 0.2       | 70.0 | 70.4 | 71.5 | 72.0 | 72.2 | 72.2                        | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 0.1       | 71.0 | 71.4 | 72.5 | 73.0 | 73.2 | 73.2                        | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 0.05      | 72.0 | 72.4 | 73.5 | 74.0 | 74.2 | 74.2                        | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 0.02      | 73.0 | 73.4 | 74.5 | 75.0 | 75.2 | 75.2                        | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 0.01      | 74.0 | 74.4 | 75.5 | 76.0 | 76.2 | 76.2                        | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 0.005     | 75.0 | 75.4 | 76.5 | 77.0 | 77.2 | 77.2                        | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 0.002     | 76.0 | 76.4 | 77.5 | 78.0 | 78.2 | 78.2                        | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 0.001     | 77.0 | 77.4 | 78.5 | 79.0 | 79.2 | 79.2                        | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 0.0005    | 78.0 | 78.4 | 79.5 | 80.0 | 80.2 | 80.2                        | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 0.0002    | 79.0 | 79.4 | 80.5 | 81.0 | 81.2 | 81.2                        | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 0.0001    | 80.0 | 80.4 | 81.5 | 82.0 | 82.2 | 82.2                        | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 0.00005   | 81.0 | 81.4 | 82.5 | 83.0 | 83.2 | 83.2                        | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 0.00002   | 82.0 | 82.4 | 83.5 | 84.0 | 84.2 | 84.2                        | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 0.00001   | 83.0 | 83.4 | 84.5 | 85.0 | 85.2 | 85.2                        | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 0.000005  | 84.0 | 84.4 | 85.5 | 86.0 | 86.2 | 86.2                        | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 0.000002  | 85.0 | 85.4 | 86.5 | 87.0 | 87.2 | 87.2                        | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 0.000001  | 86.0 | 86.4 | 87.5 | 88.0 | 88.2 | 88.2                        | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 0.0000005 | 87.0 | 87.4 | 88.5 | 89.0 | 89.2 | 89.2                        | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 0.0000002 | 88.0 | 88.4 | 89.5 | 90.0 | 90.2 | 90.2                        | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 0.0000001 | 89.0 | 89.4 | 90.5 | 91.0 | 91.2 | 91.2                        | 91.2 | 91.2 | 91.2 | 91.2 |

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
 4540-100, 4540-100, 4540-100

PERCENTAGE OF LAYERS IN CLIMATE  
 100% 100% 100%

STATION NAME: 2000-00

STATION NAME: 2000-00

1ST INCL: + 0

100

100

CEILING

VISIBILITY IN CLIMATE

IN 10 20 30 40 50 60 70 80 90 100  
 FEET 7 9 13 14 17 21 24 27 31 34

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| NO. CL  | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 01 2000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 02 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 03 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 04 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 05 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 06 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 07 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 08 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 09 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 10 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 11 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 12 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 13 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 14 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 15 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 16 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 17 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 18 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 19 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 20 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 21 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 22 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 23 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 24 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 25 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 26 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 27 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 28 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 29 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 30 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 31 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 32 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 33 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 34 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 35 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 36 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 37 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 38 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 39 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 40 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 41 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 42 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 43 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 44 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 45 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 46 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 47 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 48 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 49 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 50 1000 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |

100% 100% 100%





OPERATING LOCATION: "A"  
USAF/AFM, A-10-VI-1-17

PERCENTAGE PROBABILITY OF LOSS OF LIFE  
FROM "A" TO "B" LOCATION

STATION NUMBER: 73064

STATION NAME: PLAS, A-10-VI-1-17  
L-1 TO H-1: + 3

CEILING

VISIBILITY IN STATION

IN FEET 7 7 7 7 7 7 7 7 7 7 7

NO CEIL 47.7 48.7 49.1 49.7 49.9 50.1 51.1 51.2 51.2 51.2 51.2

67 10000 51.3 51.1 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.1 51.2 51.2 51.2 51.2 51.2 51.2 51.2 51.2 51.2

67 10000 51.2 51.2 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.2 51.2 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.2 51.2 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

67 10000 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3 51.3

# ACCURACY OF RECORDING OF CEILING VERSUS VISIBILITY FROM AERIAL OBSERVATIONS

PERIOD OF RECORD: JUL 70 - JUL 71  
 MONTH: ALL MONTHS: ALL

CEILING IN STATUTE MILES

1 1 1/2 1 3/4 2 2 1/4 2 3/4 3 3 1/2 4 4 1/2 5

50.1 50.2 50.3 50.4 50.5 50.6 50.7 50.8 50.9 51.0

51.1 51.2 51.3 51.4 51.5 51.6 51.7 51.8 51.9 52.0

52.1 52.2 52.3 52.4 52.5 52.6 52.7 52.8 52.9 53.0

53.1 53.2 53.3 53.4 53.5 53.6 53.7 53.8 53.9 54.0

54.1 54.2 54.3 54.4 54.5 54.6 54.7 54.8 54.9 55.0

55.1 55.2 55.3 55.4 55.5 55.6 55.7 55.8 55.9 56.0

56.1 56.2 56.3 56.4 56.5 56.6 56.7 56.8 56.9 57.0

57.1 57.2 57.3 57.4 57.5 57.6 57.7 57.8 57.9 58.0

58.1 58.2 58.3 58.4 58.5 58.6 58.7 58.8 58.9 59.0

59.1 59.2 59.3 59.4 59.5 59.6 59.7 59.8 59.9 60.0

60.1 60.2 60.3 60.4 60.5 60.6 60.7 60.8 60.9 61.0

61.1 61.2 61.3 61.4 61.5 61.6 61.7 61.8 61.9 62.0

62.1 62.2 62.3 62.4 62.5 62.6 62.7 62.8 62.9 63.0

63.1 63.2 63.3 63.4 63.5 63.6 63.7 63.8 63.9 64.0

64.1 64.2 64.3 64.4 64.5 64.6 64.7 64.8 64.9 65.0

65.1 65.2 65.3 65.4 65.5 65.6 65.7 65.8 65.9 66.0

66.1 66.2 66.3 66.4 66.5 66.6 66.7 66.8 66.9 67.0

67.1 67.2 67.3 67.4 67.5 67.6 67.7 67.8 67.9 68.0

68.1 68.2 68.3 68.4 68.5 68.6 68.7 68.8 68.9 69.0

69.1 69.2 69.3 69.4 69.5 69.6 69.7 69.8 69.9 70.0

70.1 70.2 70.3 70.4 70.5 70.6 70.7 70.8 70.9 71.0

71.1 71.2 71.3 71.4 71.5 71.6 71.7 71.8 71.9 72.0

72.1 72.2 72.3 72.4 72.5 72.6 72.7 72.8 72.9 73.0

73.1 73.2 73.3 73.4 73.5 73.6 73.7 73.8 73.9 74.0

74.1 74.2 74.3 74.4 74.5 74.6 74.7 74.8 74.9 75.0

75.1 75.2 75.3 75.4 75.5 75.6 75.7 75.8 75.9 76.0

76.1 76.2 76.3 76.4 76.5 76.6 76.7 76.8 76.9 77.0

77.1 77.2 77.3 77.4 77.5 77.6 77.7 77.8 77.9 78.0

78.1 78.2 78.3 78.4 78.5 78.6 78.7 78.8 78.9 79.0

79.1 79.2 79.3 79.4 79.5 79.6 79.7 79.8 79.9 80.0

80.1 80.2 80.3 80.4 80.5 80.6 80.7 80.8 80.9 81.0

81.1 81.2 81.3 81.4 81.5 81.6 81.7 81.8 81.9 82.0

82.1 82.2 82.3 82.4 82.5 82.6 82.7 82.8 82.9 83.0

83.1 83.2 83.3 83.4 83.5 83.6 83.7 83.8 83.9 84.0

84.1 84.2 84.3 84.4 84.5 84.6 84.7 84.8 84.9 85.0

85.1 85.2 85.3 85.4 85.5 85.6 85.7 85.8 85.9 86.0

86.1 86.2 86.3 86.4 86.5 86.6 86.7 86.8 86.9 87.0

87.1 87.2 87.3 87.4 87.5 87.6 87.7 87.8 87.9 88.0

88.1 88.2 88.3 88.4 88.5 88.6 88.7 88.8 88.9 89.0

89.1 89.2 89.3 89.4 89.5 89.6 89.7 89.8 89.9 90.0

90.1 90.2 90.3 90.4 90.5 90.6 90.7 90.8 90.9 91.0

91.1 91.2 91.3 91.4 91.5 91.6 91.7 91.8 91.9 92.0

92.1 92.2 92.3 92.4 92.5 92.6 92.7 92.8 92.9 93.0

93.1 93.2 93.3 93.4 93.5 93.6 93.7 93.8 93.9 94.0

94.1 94.2 94.3 94.4 94.5 94.6 94.7 94.8 94.9 95.0

OPERATING LOCATION: WAW  
USAF-1AC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF 28 OCCURRENCES - 15 MAY 68  
8514 H JULY 1967 - 151110

STATION: 301-23: 720000

STATION NAME: 21351 APR 40  
LST TO HIC: + 5

STATION  
201110

| HOURS<br>(LST) | CLEAR | SCATTERED | BROKEN | AIRWAY CLASS'S |                       | ST   |
|----------------|-------|-----------|--------|----------------|-----------------------|------|
|                |       |           |        | BROADCAST      | TOTAL<br>BROADCASTING |      |
| 00-02          | 21.7  | 24.0      | 13.3   | 30.0           | 3.7                   | 7.7  |
| 03-05          | 22.0  | 25.2      | 14.2   | 32.0           | 3.0                   | 7.0  |
| 06-08          | 19.2  | 19.0      | 17.7   | 30.4           | 3.0                   | 11.1 |
| 09-11          | 17.7  | 33.5      | 22.1   | 34.1           | 1.0                   | 1.0  |
| 12-14          | 1.0   | 16.0      | 21.2   | 35.2           | 1.0                   | 1.0  |
| 15-17          | 1.0   | 31.0      | 21.0   | 21.0           | 1.0                   | 1.0  |
| 18-20          | 10.0  | 34.7      | 15.2   | 31.0           | 1.0                   | 1.0  |
| 21-23          | 10.0  | 25.0      | 14.0   | 30.4           | 1.0                   | 1.1  |
| ALL<br>40000   | 14.0  | 30.0      | 17.0   | 31.0           | 8.0                   | 8.0  |

|              |      |      |      |      |     |      |
|--------------|------|------|------|------|-----|------|
| 00-02        | 21.7 | 21.7 | 13.3 | 30.0 | 3.7 | 7.7  |
| 03-05        | 21.7 | 27.2 | 11.4 | 30.7 | 6.0 | 11.1 |
| 06-08        | 1.7  | 17.1 | 20.7 | 22.3 | 4.1 | 7.0  |
| 09-11        | 4.0  | 25.7 | 21.0 | 25.0 | 5.3 | 7.2  |
| 12-14        | 1.0  | 33.3 | 21.2 | 17.7 | 2.0 | 10.2 |
| 15-17        | 1.1  | 33.8 | 22.4 | 37.0 | 1.0 | 1.0  |
| 18-20        | 10.0 | 34.0 | 10.3 | 24.0 | 2.0 | 13.0 |
| 21-23        | 10.0 | 25.0 | 10.7 | 35.0 | 3.0 | 1.0  |
| ALL<br>40000 | 10.2 | 31.1 | 17.2 | 25.7 | 2.0 | 70.0 |

# PROBABILITY OF OCCURRENCE OF SKY COVER

1-4 JULY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
MONTH: JAN 80 PIPS: ALL

## BY CLASSES

| CAST | TOTAL<br>OBSERVATION | GT<br>1/2 | PARTIAL<br>OBSERVATION | TOTAL<br>IPS |
|------|----------------------|-----------|------------------------|--------------|
| 0.   | 3.7                  | 47.7      | 2.3                    | 930          |
| 0.1  | 3.7                  | 70.8      | 3.2                    | 930          |
| 0.2  | 3.7                  | 77.1      | 4.7                    | 930          |
| 0.3  | 3.5                  | 80.6      | 7.2                    | 930          |
| 0.4  | 3.4                  | 80.7      | 8.7                    | 930          |
| 0.5  | 3.7                  | 88.       | 9.6                    | 930          |
| 0.6  | 2.7                  | 82.2      | 8.1                    | 930          |
| 0.7  | 4.7                  | 80.1      | 8.1                    | 930          |
| 0.8  | 3.                   | 8.        | 4.6                    | 740          |

MONTH: FEB 80 PIPS: ALL

|     |     |      |      |     |
|-----|-----|------|------|-----|
| 0.  | 7.0 | 8.2  | 4.2  | 940 |
| 0.1 | 6.0 | 11.1 | 9.7  | 940 |
| 0.2 | 6.1 | 17.4 | 11.7 | 940 |
| 0.3 | 5.3 | 19.1 | 12.1 | 940 |
| 0.4 | 2.7 | 18.9 | 6.2  | 940 |
| 0.5 | 2.7 | 20.9 | 6.1  | 940 |
| 0.6 | 2.0 | 23.2 | 6.2  | 940 |
| 0.7 | 3.0 | 23.  | 11.7 | 940 |
| 0.8 | 2.3 | 24.7 | 6.2  | 940 |

OPERATING LOCATION: "AW"  
USAFSTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAY CLASS  
FROM 0000 LT 0-2300 LT 1975

STATION NUMBER: 723063

STATION NAME: PEAS- AF 3-00

2-01-0

LST TO UTC: + 5

00014: 3

| HOURS<br>(LST) | AIRWAY CLASSES |           |       |          | TOTAL<br>OCCURRENCE | ST<br>1/2 |
|----------------|----------------|-----------|-------|----------|---------------------|-----------|
|                | CLEAR          | SCATTERED | SPOKE | OVERCAST |                     |           |
| 00-02          | 27.4           | 29.6      | 13.2  | 37.4     | 3.2                 | 4.2       |
| 03-05          | 22.2           | 21.2      | 14.3  | 33.3     | 2.6                 | 37.2      |
| 06-08          | 20.2           | 30.2      | 10.2  | 35.4     | 2.4                 | 35.2      |
| 09-11          | 4.2            | 35.2      | 21.4  | 35.3     | 2.3                 | 22.2      |
| 12-14          | 5.2            | 30.2      | 20.3  | 34.7     | 1.6                 | 31.2      |
| 15-17          | 7.2            | 27.2      | 20.9  | 35.2     | 2.3                 | 24.2      |
| 18-20          | 5.2            | 33.7      | 20.8  | 24.7     | 2.7                 | 22.2      |
| 21-23          | 22.2           | 22.4      | 14.4  | 37.6     | 3.2                 | 37.2      |
| ALL<br>HOURS   | 17.0           | 27.0      | 19.0  | 35.0     | 2.0                 | 35.0      |

|              |      |      |      |      |     |      |
|--------------|------|------|------|------|-----|------|
| 00-02        | 1.2  | 29.2 | 13.2 | 41.2 | 4.2 | 24.2 |
| 03-05        | 11.2 | 27.7 | 17.0 | 37.2 | 1.7 | 37.2 |
| 06-08        | 4.2  | 27.5 | 24.0 | 33.4 | 4.2 | 27.2 |
| 09-11        | 3.2  | 23.2 | 22.1 | 40.2 | 1.2 | 22.2 |
| 12-14        | 1.7  | 26.2 | 27.3 | 40.2 | 1.2 | 27.2 |
| 15-17        | 2.2  | 23.2 | 23.4 | 42.2 | 1.2 | 27.2 |
| 18-20        | 3.2  | 24.1 | 24.2 | 40.7 | 3.1 | 27.2 |
| 21-23        | 13.1 | 25.0 | 17.3 | 40.2 | 1.2 | 27.2 |
| ALL<br>HOURS | 7.2  | 26.2 | 22.4 | 40.2 | 1.1 | 27.2 |

EFFICIENCY OF OCCURRENCE OF GAY COVER  
 BY CLASS OF OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 80  
 MONTH: ALL MONTHS: ALL

.....

BY CLASS

TOTAL ST PARTIAL TOTAL  
 OBSERVATIONS 1/2 OBSERVATIONS OBS

.....

7.2 2.2 24.2 5.1 930

7.2 2.6 25.2 4.5 930

7.2 2.3 24.2 5.1 930

7.3 2.3 24.2 5.2 930

7.7 1.9 22.7 4.1 930

7.2 2.3 24.2 5.2 930

7.7 2.7 25.2 4.2 930

7.6 2.5 24.2 4.5 930

7.2 2.2 24.2 4.5 7440

.....

MONTH: ALL MONTHS: ALL

.....

7.2 2.2 24.2 5.1 930

7.2 2.2 24.2 5.1 930

7.2 2.2 24.2 5.1 930

7.2 1.2 24.2 5.2 930

7.2 2.2 24.2 5.1 930

7.2 2.2 24.2 5.1 930

7.2 3.1 25.2 4.2 930

7.2 2.2 24.2 5.1 930

7.2 2.2 24.2 5.1 930

.....

OPERATING LOCATION: "AM"  
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF 2000 HZ OF S.W. 1/2  
FROM AIRWAY 1/2 OF 70111.1

STATION NUMBER: 725785

STATION NAME: DEAS AREA 4

LST TO UTC: + 5

DATE: 1/1/73

TIME: 12:11

AIRWAY CLASSIFICATION

| GROUPS<br>(LST) | CLAS | SCATTERED | SADEN | DOWNCAST | CLAS | CLAS |
|-----------------|------|-----------|-------|----------|------|------|
| 00-02           | 17.3 | 25.4      | 19.5  | 34.1     | 9.7  | 57.3 |
| 02-04           | 2.3  | 31.3      | 22.5  | 32.4     | 3.4  | 60.3 |
| 04-06           | 3.3  | 21.8      | 11.5  | 31.7     | 1.1  | 71.3 |
| 06-08           | 1.4  | 14.1      | 11.2  | 37.8     | 1.1  | 51.3 |
| 08-10           | 2.3  | 26.7      | 12.1  | 32.0     | 1.1  | 71.3 |
| 10-12           | 2.7  | 21.4      | 11.3  | 41.7     | 1.1  | 71.3 |
| 12-14           | 1.1  | 24.1      | 12.7  | 42.2     | 1.1  | 71.3 |
| 14-16           | 1.1  | 21.3      | 12.7  | 37.8     | 1.1  | 71.3 |
| 16-18           | 1.1  | 21.3      | 12.7  | 37.8     | 1.1  | 71.3 |
| 18-20           | 1.1  | 21.3      | 12.7  | 37.8     | 1.1  | 71.3 |
| 20-22           | 1.1  | 21.3      | 12.7  | 37.8     | 1.1  | 71.3 |
| 22-24           | 1.1  | 21.3      | 12.7  | 37.8     | 1.1  | 71.3 |
| ALL<br>GROUPS   | 1.1  | 21.3      | 12.7  | 37.8     | 1.1  | 71.3 |

|               |     |      |      |      |     |      |
|---------------|-----|------|------|------|-----|------|
| 00-02         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 02-04         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 04-06         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 06-08         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 08-10         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 10-12         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 12-14         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 14-16         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 16-18         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 18-20         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 20-22         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| 22-24         | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |
| ALL<br>GROUPS | 1.1 | 21.3 | 12.7 | 37.8 | 1.1 | 71.3 |

EFFICIENCY OF DOCKING OF SKY COVER  
 EFFICIENCY OF DOCKING

PERIOD OF RECORD: JUL 70 - JUL 71  
 MONTH: MAY HOURS: ALL

.....  
 MAY CHARTERS

| DATE  | TOTAL<br>DOCKING | OF<br>1/2 | PARTIAL<br>DOCKING | TOTAL |
|-------|------------------|-----------|--------------------|-------|
| ..... | .....            | .....     | .....              | ..... |
| 1     | 4.7              | 57.4      | 4.3                | 93.0  |
| 4     | 3.4              | 50.5      | 3.4                | 93.0  |
| 7     | 2.7              | 50.7      | 2.7                | 93.0  |
| 10    | 2.7              | 50.5      | 2.2                | 93.0  |
| 13    | 2.1              | 71.2      | 2.9                | 93.0  |
| 16    | 2.7              | 70.0      | 2.3                | 93.0  |
| 19    | 1.1              | 74.1      | 0.7                | 93.0  |
| 22    | 2.3              | 70.7      | 0.7                | 93.0  |
| 25    | 2.1              | 70.0      | 0.9                | 74.0  |

.....  
 JUL 71 : JUL 71 : ALL

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| ..... | ..... | ..... | ..... | ..... |
| 7     | 2.0   | 51.0  | 0.0   | 20.0  |
| 10    | 1.0   | 50.0  | 11.7  | 62.0  |
| 13    | 1.0   | 51.0  | 11.0  | 60.0  |
| 16    | 1.0   | 50.0  | 7.0   | 20.0  |
| 19    | 1.1   | 50.0  | 0.4   | 5.0   |
| 22    | 1.0   | 71.0  | 7.7   | 30.0  |
| 25    | 1.0   | 50.0  | 7.0   | 30.0  |
| 28    | 1.0   | 50.0  | 7.7   | 30.0  |
| 31    | 1.7   | 50.0  | 0.0   | 71.0  |



OPERATING LOCATION: WAW  
USAFRAG, AST-VILLAGE

PERCENTAGE EFFICIENCY OF BOOKS: 100%  
100% EFFICIENCY OF BOOKS

STATION NUMBER: 715000

STATION NAME: STAGE 40-10  
LET TO UIC: + 5

STATION  
NAME: 10

ALWAYS CLASSIC

| HOURS<br>(LST) | CLAY | SCATTERED | WATER | NO-CAST | TOTAL | 17   | 100 |
|----------------|------|-----------|-------|---------|-------|------|-----|
| 00-02          | 21.5 | 22.7      | 19.3  | 20.2    | 4.4   | 43.1 | 1   |
| 02-05          | 21.5 | 34.9      | 25.3  | 24.5    | 5.0   | 50.0 | 1   |
| 05-08          | 9.2  | 33.4      | 25.0  | 27.2    | 4.1   | 51.1 | 1   |
| 08-11          | 2.1  | 25.7      | 31.3  | 21.2    | 1.2   | 51.1 | 1   |
| 12-14          | 1.3  | 34.2      | 16.7  | 21.6    | 1.4   | 55.0 | 1   |
| 15-17          | 1.1  | 31.3      | 27.5  | 30.5    | 1.1   | 54.1 | 1   |
| 18-20          | 1.4  | 31.3      | 34.4  | 21.2    | 1.4   | 57.0 | 1   |
| 21-23          | 11.2 | 31.3      | 23.1  | 26.2    | 2.0   | 51.1 | 1   |
| ALL<br>HOURS   | 9.2  | 31.3      | 26.0  | 26.0    | 1.0   | 51.1 | 1   |

STATION

|              |      |      |      |      |     |      |   |
|--------------|------|------|------|------|-----|------|---|
| 00-02        | 21.5 | 22.7 | 19.3 | 20.2 | 4.4 | 43.1 | 1 |
| 02-05        | 11.2 | 34.7 | 21.3 | 20.5 | 1.7 | 51.1 | 1 |
| 05-08        | 1.3  | 31.3 | 27.5 | 20.5 | 1.1 | 54.1 | 1 |
| 08-11        | 2.1  | 31.3 | 23.1 | 22.0 | 1.0 | 51.1 | 1 |
| 12-14        | 1.3  | 31.3 | 27.2 | 20.2 | 1.4 | 55.0 | 1 |
| 15-17        | 1.1  | 31.3 | 27.5 | 20.5 | 1.1 | 54.1 | 1 |
| 18-20        | 1.4  | 31.3 | 31.1 | 27.0 | 1.3 | 57.0 | 1 |
| 21-23        | 11.2 | 31.3 | 23.1 | 26.2 | 1.0 | 51.1 | 1 |
| ALL<br>HOURS | 9.2  | 31.3 | 27.0 | 26.0 | 1.0 | 51.1 | 1 |

# UNIFORMITY OF OCCURRENCE OF SKY COVER AND WINDY DISTRIBUTIONS

PERIOD OF RECORD: JUL 74 - JUL 75  
 MONTH: JUL 74: ALL

| CLASS | TOTAL<br>OCCURRENCE | OF<br>1/2 | PARTIAL<br>OCCURRENCE | TOTAL<br>POS |
|-------|---------------------|-----------|-----------------------|--------------|
| 1     | 4.9                 | 43.7      | 13.5                  | 930          |
| 2     | 6.6                 | 43.7      | 15.7                  | 930          |
| 3     | 4.1                 | 43.7      | 17.2                  | 930          |
| 4     | 1.8                 | 43.7      | 11.3                  | 930          |
| 5     | 6.6                 | 43.7      | 6.8                   | 930          |
| 6     | 6.1                 | 43.7      | 11.6                  | 930          |
| 7     | 1.3                 | 43.7      | 11.2                  | 930          |
| 8     | 6.6                 | 43.7      | 12.3                  | 930          |
| 9     | 6.6                 | 43.7      | 13.6                  | 7440         |

MONTH: AUG 74: ALL

|   |     |      |      |      |
|---|-----|------|------|------|
| 1 | 4.9 | 43.7 | 13.5 | 930  |
| 2 | 6.6 | 43.7 | 15.7 | 930  |
| 3 | 4.1 | 43.7 | 17.2 | 930  |
| 4 | 1.8 | 43.7 | 6.8  | 930  |
| 5 | 6.6 | 43.7 | 11.3 | 930  |
| 6 | 6.1 | 43.7 | 11.6 | 930  |
| 7 | 1.3 | 43.7 | 11.2 | 930  |
| 8 | 6.6 | 43.7 | 12.3 | 930  |
| 9 | 6.6 | 43.7 | 13.6 | 7440 |

OPERATING LOCATION "A"  
USAFAC, ASUVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE LAUNCH ON  
FROM 4000LY 1130 ZHOURS

STATION NUMBER: 721753

STATION NAME: PEASE AFB NH  
LST TO UTC: + 5

2-11-57  
12:10:00

AIRWAY CLASSSES

| 4000-5<br>(LST) | CLASS | STATIONED | SAKEL | OVERCAST | FINAL | STATIONED |
|-----------------|-------|-----------|-------|----------|-------|-----------|
| 00-02           | 20.3  | 29.7      | 14.3  | 27.3     | 2.4   | 64.0      |
| 03-05           | 21.1  | 32.0      | 14.5  | 29.5     | 2.9   | 60.0      |
| 05-07           | 21.1  | 32.7      | 22.4  | 30.1     | 2.9   | 70.0      |
| 07-11           | 21.3  | 41.2      | 26.1  | 26.4     | 1.7   | 50.4      |
| 12-14           | 21.1  | 43.2      | 20.1  | 28.2     |       | 45.0      |
| 15-17           | 21.2  | 44.0      | 30.1  | 27.1     | 1.1   | 43.0      |
| 18-20           | 21.5  | 28.2      | 20.2  | 28.7     | 11.0  | 22.0      |
| 21-23           | 22.0  | 31.5      | 17.3  | 26.1     | 1.0   | 40.0      |
| ALL<br>4000-5   | 19.0  | 30.0      | 20.0  | 27.0     | 1.0   | 41.0      |

|               |      |      |      |      |     |      |
|---------------|------|------|------|------|-----|------|
| 00-02         | 21.0 | 29.0 | 13.0 | 26.0 | 3.0 | 60.0 |
| 03-05         | 21.0 | 32.0 | 14.0 | 29.0 | 4.0 | 61.0 |
| 05-07         | 21.0 | 41.0 | 24.0 | 26.0 | 4.0 |      |
| 07-11         | 21.0 | 41.0 | 20.0 | 23.0 | 1.0 | 50.0 |
| 12-14         | 21.0 | 30.0 | 21.0 | 27.0 | 1.0 | 40.0 |
| 15-17         | 21.0 | 37.0 | 20.0 | 27.0 | 2.0 | 40.0 |
| 18-20         | 21.0 | 27.0 | 20.0 | 26.0 | 1.0 | 50.0 |
| 21-23         | 21.0 | 20.0 | 20.0 | 24.0 | 2.0 | 40.0 |
| ALL<br>4000-5 | 19.0 | 30.0 | 20.0 | 27.0 | 2.0 | 40.0 |

FREQUENCY OF OCCURRENCE OF SKY COVER  
 AT ONLY OBSERVATIONS

PERIOD OF RECORD: JUL 71 - JUL 72  
 STATION: SLD HARRISALL

.....

Y CLASSES

| AGE | TOTAL<br>OCCURRENCE | GT<br>1/2 | PARTIAL<br>OCCURRENCE | TOTAL<br>OBS |
|-----|---------------------|-----------|-----------------------|--------------|
| 0.1 | 2.4                 | 44.0      | 2.0                   | 900          |
| 0.2 | 2.2                 | 40.0      | 2.2                   | 900          |
| 0.3 | 2.0                 | 36.0      | 2.0                   | 900          |
| 0.4 | 1.8                 | 32.0      | 1.8                   | 900          |
| 0.5 | 1.6                 | 28.0      | 1.6                   | 900          |
| 0.6 | 1.4                 | 24.0      | 1.4                   | 900          |
| 0.7 | 1.2                 | 20.0      | 1.2                   | 900          |
| 0.8 | 1.0                 | 16.0      | 1.0                   | 900          |
| 0.9 | 0.8                 | 12.0      | 0.8                   | 900          |
| 1.0 | 0.6                 | 8.0       | 0.6                   | 900          |
| 1.1 | 0.4                 | 4.0       | 0.4                   | 900          |
| 1.2 | 0.2                 | 2.0       | 0.2                   | 900          |

.....

STATION: SLD HARRISALL

.....

|     |     |      |     |     |
|-----|-----|------|-----|-----|
| 0.1 | 3.0 | 54.0 | 3.0 | 900 |
| 0.2 | 2.8 | 50.4 | 2.8 | 900 |
| 0.3 | 2.6 | 46.8 | 2.6 | 900 |
| 0.4 | 2.4 | 43.2 | 2.4 | 900 |
| 0.5 | 2.2 | 39.6 | 2.2 | 900 |
| 0.6 | 2.0 | 36.0 | 2.0 | 900 |
| 0.7 | 1.8 | 32.4 | 1.8 | 900 |
| 0.8 | 1.6 | 28.8 | 1.6 | 900 |
| 0.9 | 1.4 | 25.2 | 1.4 | 900 |
| 1.0 | 1.2 | 21.6 | 1.2 | 900 |
| 1.1 | 1.0 | 18.0 | 1.0 | 900 |
| 1.2 | 0.8 | 14.4 | 0.8 | 900 |
| 1.3 | 0.6 | 10.8 | 0.6 | 900 |
| 1.4 | 0.4 | 7.2  | 0.4 | 900 |
| 1.5 | 0.2 | 3.6  | 0.2 | 900 |

.....

OPERATING LOCATION: TAW  
USAF TAC, AFB WILLOW, MO

PERIOD: 10/1/74 - 10/31/74  
TOTAL: 10/1/74 - 10/31/74

STATION NAME: 70000

STATION CODE: 2 AND 40000

STATION TYPE: P-5

STATION

STATION

| .....            |         |         |         |         |         |         |
|------------------|---------|---------|---------|---------|---------|---------|
| ALWAYS CHECK FOR |         |         |         |         |         |         |
| DATE             | STATION | STATION | STATION | STATION | STATION | STATION |
| (YR)             |         |         |         |         |         |         |
| 00-02            | 1.0     | 2.7     | 14.7    | 45.0    | 2.0     | 0       |
| 03-05            | 1.0     | 3.1     | 14.2    | 33.7    | 3.1     | 0       |
| 06-07            | 0       | 3.7     | 14.2    | 30.0    | 0       | 0       |
| 09-11            | 0       | 3.1     | 24.7    | 25.4    | 0       | 0       |
| 12-14            | 0       | 2.6     | 27.3    | 26.3    | 1.0     | 0       |
| 15-17            | 0       | 3.0     | 23.2    | 23.0    | 0.1     | 0       |
| 18-20            | 1.0     | 3.0     | 17.0    | 27.3    | 0.0     | 0.2     |
| 21-23            | 1.0     | 3.1     | 13.7    | 34.0    | 0.7     | 0.0     |
| ALL              |         |         |         |         |         |         |
| HOURS            | 0.0     | 34.0    | 23.7    | 30.0    | 1.0     | 0.0     |
| .....            |         |         |         |         |         |         |

|       |      |      |      |      |     |     |
|-------|------|------|------|------|-----|-----|
| 00-02 | 21.0 | 23.0 | 17.0 | 34.0 | 0.0 | 0.0 |
| 03-05 | 23.0 | 22.3 | 15.0 | 25.0 | 0   | 0.7 |
| 06-07 | 0    | 26.0 | 17.0 | 20.7 | 2.0 | 0.0 |
| 09-11 | 0    | 17.0 | 20.2 | 21.5 | 2.0 | 0.2 |
| 12-14 | 1.0  | 35.3 | 23.0 | 34.0 | 3.1 | 0.0 |
| 15-17 | 0    | 27.3 | 20.9 | 30.0 | 2.0 | 0.0 |
| 18-20 | 10.0 | 35.0 | 14.7 | 20.1 | 1.7 | 0.0 |
| 21-23 | 10.0 | 22.0 | 15.1 | 30.0 | 0.0 | 0.0 |
| ALL   |      |      |      |      |     |     |
| HOURS | 11.7 | 20.9 | 19.1 | 30.4 | 3.0 | 0.0 |
| ..... |      |      |      |      |     |     |

NO. 17 OF 1000 PAGES OF MAY 1947  
 17 MAY 1947 1947

PERIOD: 1947 - 1948  
 MONTH: MAY 1947

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

RECEIVED BY THE DIRECTOR, FBI, 11/11/64

TABLE 2-7: Continued

•

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

[illegible]

20-1

|         |      |      |      |      |     |   |
|---------|------|------|------|------|-----|---|
| 1993-95 | 19.1 | 19.0 | 17.0 | 12.0 | 9.0 | 0 |
|---------|------|------|------|------|-----|---|

*Journal of Management Studies*, 19(1), 67-80.

01-11      1967      11-11

12-14      1.      1.1      1.1      1.1      1.1

1977-1978 1978-1979 1979-1980 1980-1981 1981-1982 1982-1983 1983-1984 1984-1985 1985-1986 1986-1987 1987-1988 1988-1989 1989-1990 1990-1991 1991-1992 1992-1993 1993-1994 1994-1995 1995-1996 1996-1997 1997-1998 1998-1999 1999-2000 2000-2001 2001-2002 2002-2003 2003-2004 2004-2005 2005-2006 2006-2007 2007-2008 2008-2009 2009-2010 2010-2011 2011-2012 2012-2013 2013-2014 2014-2015 2015-2016 2016-2017 2017-2018 2018-2019 2019-2020 2020-2021 2021-2022 2022-2023 2023-2024 2024-2025 2025-2026 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 2033-2034 2034-2035 2035-2036 2036-2037 2037-2038 2038-2039 2039-2040 2040-2041 2041-2042 2042-2043 2043-2044 2044-2045 2045-2046 2046-2047 2047-2048 2048-2049 2049-2050 2050-2051 2051-2052 2052-2053 2053-2054 2054-2055 2055-2056 2056-2057 2057-2058 2058-2059 2059-2060 2060-2061 2061-2062 2062-2063 2063-2064 2064-2065 2065-2066 2066-2067 2067-2068 2068-2069 2069-2070 2070-2071 2071-2072 2072-2073 2073-2074 2074-2075 2075-2076 2076-2077 2077-2078 2078-2079 2079-2080 2080-2081 2081-2082 2082-2083 2083-2084 2084-2085 2085-2086 2086-2087 2087-2088 2088-2089 2089-2090 2090-2091 2091-2092 2092-2093 2093-2094 2094-2095 2095-2096 2096-2097 2097-2098 2098-2099 2099-2100 2100-2101 2101-2102 2102-2103 2103-2104 2104-2105 2105-2106 2106-2107 2107-2108 2108-2109 2109-2110 2110-2111 2111-2112 2112-2113 2113-2114 2114-2115 2115-2116 2116-2117 2117-2118 2118-2119 2119-2120 2120-2121 2121-2122 2122-2123 2123-2124 2124-2125 2125-2126 2126-2127 2127-2128 2128-2129 2129-2130 2130-2131 2131-2132 2132-2133 2133-2134 2134-2135 2135-2136 2136-2137 2137-2138 2138-2139 2139-2140 2140-2141 2141-2142 2142-2143 2143-2144 2144-2145 2145-2146 2146-2147 2147-2148 2148-2149 2149-2150 2150-2151 2151-2152 2152-2153 2153-2154 2154-2155 2155-2156 2156-2157 2157-2158 2158-2159 2159-2160 2160-2161 2161-2162 2162-2163 2163-2164 2164-2165 2165-2166 2166-2167 2167-2168 2168-2169 2169-2170 2170-2171 2171-2172 2172-2173 2173-2174 2174-2175 2175-2176 2176-2177 2177-2178 2178-2179 2179-2180 2180-2181 2181-2182 2182-2183 2183-2184 2184-2185 2185-2186 2186-2187 2187-2188 2188-2189 2189-2190 2190-2191 2191-2192 2192-2193 2193-2194 2194-2195 2195-2196 2196-2197 2197-2198 2198-2199 2199-2200 2200-2201 2201-2202 2202-2203 2203-2204 2204-2205 2205-2206 2206-2207 2207-2208 2208-2209 2209-2210 2210-2211 2211-2212 2212-2213 2213-2214 2214-2215 2215-2216 2216-2217 2217-2218 2218-2219 2219-2220 2220-2221 2221-2222 2222-2223 2223-2224 2224-2225 2225-2226 2226-2227 2227-2228 2228-2229 2229-2230 2230-2231 2231-2232 2232-2233 2233-2234 2234-2235 2235-2236 2236-2237 2237-2238 2238-2239 2239-2240 2240-2241 2241-2242 2242-2243 2243-2244 2244-2245 2245-2246 2246-2247 2247-2248 2248-2249 2249-2250 2250-2251 2251-2252 2252-2253 2253-2254 2254-2255 2255-2256 2256-2257 2257-2258 2258-2259 2259-2260 2260-2261 2261-2262 2262-2263 2263-2264 2264-2265 2265-2266 2266-2267 2267-2268 2268-2269 2269-2270 2270-2271 2271-2272 2272-2273 2273-2274 2274-2275 2275-2276 2276-2277 2277-2278 2278-2279 2279-2280 2280-2281 2281-2282 2282-2283 2283-2284 2284-2285 2285-2286 2286-2287 2287-2288 2288-2289 2289-2290 2290-2291 2291-2292 2292-2293 2293-2294 2294-2295 2295-2296 2296-2297 2297-2298 2298-2299 2299-2300 2300-2301 2301-2302 2302-2303 2303-2304 2304-2305 2305-2306 2306-2307 2307-2308 2308-2309 2309-2310 2310-2311 2311-2312 2312-2313 2313-2314 2314-2315 2315-2316 2316-2317 2317-2318 2318-2319 2319-2320 2320-2321 2321-2322 2322-2323 2323-2324 2324-2325 2325-2326 2326-2327 2327-2328 2328-2329 2329-2330 2330-2331 2331-2332 2332-2333 2333-2334 2334-2335 2335-2336 2336-2337 2337-2338 2338-2339 2339-2340 2340-2341 2341-2342 2342-2343 2343-2344 2344-2345 2345-2346 2346-2347 2347-2348 2348-2349 2349-2350 2350-2351 2351-2352 2352-2353 2353-2354 2354-2355 2355-2356 2356-2357 2357-2358 2358-2359 2359-2360 2360-2361 2361-2362 2362-2363 2363-2364 2364-2365 2365-2366 2366-2367 2367-2368 2368-2369 2369-2370 2370-2371 2371-2372 2372-2373 2373-2374 2374-2375 2375-2376 2376-2377 2377-2378 2378-2379 2379-2380 2380-2381 2381-2382 2382-2383 2383-2384 2384-2385 2385-2386 2386

\_\_\_\_\_

1. *Chlorophyll a* (Chl *a*)

**M.F.S.**      **7.**      **20.**      **29.**      **36.**      **44.**







XXXXXXXXXX  
XXXXXXXXXX

II

II

II

II

II

II

II

II

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

XXXXXXXXXX

TEMPERATURE AND HUMIDITY DATA

1. SUMMARY--SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

2. DURING THE MONTH OF JANUARY 1968, THE STATION OPERATOR MAINTAINED THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

3. SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

4. SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

5. SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

6. SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

7. SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

8. SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

9. SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

10. SUMMARY OF THE DATA FOR THE MONTH OF JANUARY 1968, AT THE STATION, IS PRESENTED IN THE ATTACHED TABLES. THE DATA WERE OBTAINED FROM THE STATION LOGS, WHICH WERE MAINTAINED BY THE STATION OPERATOR, AND FROM THE DATA SHEETS, WHICH WERE MAINTAINED BY THE STATION ASSISTANT.

13 JUL 1964

1. The following information was received from the  
2. FBI, New York, dated 10/10/54, regarding the  
3. activities of the "Black Legion" in New York City:  
4. The "Black Legion" is a national organization  
5. of hoodlums, racketeers, and criminals, which  
6. is active in all major cities of the United States.  
7. The organization is known for its violent and  
8. brutal methods of operation, and is a threat to  
9. the safety and security of the community.  
10. The FBI is currently conducting an investigation  
11. into the activities of the "Black Legion" in New  
12. York City, and is seeking information from the  
13. public regarding any individuals or groups who  
14. may be associated with the organization.

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

SECRET

DECLASSIFICATION AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
DATE 08-29-2017

2025 RELEASE UNDER E.O. 14176

[illegible]

THEY WERE NOT EXCHANGED FOR ANY OTHER STATION.  
THEY WERE ONLY BE EXCHANGED TO BE USED AS A  
FOR THE OTHER (COST). AS A RESULT, THE OTHER  
WAS ONLY BE EXCHANGED FOR THE OTHER (COST) AND  
THEY WERE ONLY BE EXCHANGED FOR THE OTHER (COST).  
THEY WERE ONLY BE EXCHANGED FOR THE OTHER (COST).  
THEY WERE ONLY BE EXCHANGED FOR THE OTHER (COST).

1. THE FOLLOWING IS A SUMMARY OF THE

1. THE FOLLOWING IS A SUMMARY OF THE

1. THE FOLLOWING IS A SUMMARY OF THE  
2. THE FOLLOWING IS A SUMMARY OF THE  
3. THE FOLLOWING IS A SUMMARY OF THE  
4. THE FOLLOWING IS A SUMMARY OF THE  
5. THE FOLLOWING IS A SUMMARY OF THE

1. THE FOLLOWING IS A SUMMARY OF THE

1. THE FOLLOWING IS A SUMMARY OF THE

1. THE FOLLOWING IS A SUMMARY OF THE

1 - 1, 2 + 10

1 - 1 - 17/10 (11) 1 - 11/10 (7/1)  
1 - 1 - 17/10 (11) 1 - 11/10 (7)

1 - 1 - 17/10 (11) 1 - 11/10 (7/1).  
1 - 1 - 17/10 (11) 1 - 11/10 (7/1).  
1 - 1 - 17/10 (11) 1 - 11/10 (7/1).  
1 - 1 - 17/10 (11) 1 - 11/10 (7/1).

1 - 1 - 17/10 (11) 1 - 11/10 (7/1).

1 - 1 - 17/10 (11) 1 - 11/10 (7/1).

1 - 1 - 17/10 (11) 1 - 11/10 (7/1).

OPERATING EXPENSES  
 1000000, 1000000

COMPARATIVE STATEMENTS

STATE OF NEW YORK

DIRECTOR OF THE STATE

| Item  | JAN  | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|-------|------|-----|-----|-----|-----|-----|-----|-----|
| (1) - |      |     |     |     |     |     |     |     |
| 100   | 1.00 |     |     |     |     |     |     |     |
| 101   | 1.00 |     |     |     |     |     |     |     |
| 102   | 1.00 |     |     |     |     |     |     |     |
| 103   | 1.00 |     |     |     |     |     |     |     |
| 104   | 1.00 |     |     |     |     |     |     |     |
| 105   | 1.00 |     |     |     |     |     |     |     |
| 106   | 1.00 |     |     |     |     |     |     |     |
| 107   | 1.00 |     |     |     |     |     |     |     |
| 108   | 1.00 |     |     |     |     |     |     |     |
| 109   | 1.00 |     |     |     |     |     |     |     |
| 110   | 1.00 |     |     |     |     |     |     |     |
| 111   | 1.00 |     |     |     |     |     |     |     |
| 112   | 1.00 |     |     |     |     |     |     |     |
| 113   | 1.00 |     |     |     |     |     |     |     |
| 114   | 1.00 |     |     |     |     |     |     |     |
| 115   | 1.00 |     |     |     |     |     |     |     |
| 116   | 1.00 |     |     |     |     |     |     |     |
| 117   | 1.00 |     |     |     |     |     |     |     |
| 118   | 1.00 |     |     |     |     |     |     |     |
| 119   | 1.00 |     |     |     |     |     |     |     |
| 120   | 1.00 |     |     |     |     |     |     |     |
| 121   | 1.00 |     |     |     |     |     |     |     |
| 122   | 1.00 |     |     |     |     |     |     |     |
| 123   | 1.00 |     |     |     |     |     |     |     |
| 124   | 1.00 |     |     |     |     |     |     |     |
| 125   | 1.00 |     |     |     |     |     |     |     |
| 126   | 1.00 |     |     |     |     |     |     |     |
| 127   | 1.00 |     |     |     |     |     |     |     |
| 128   | 1.00 |     |     |     |     |     |     |     |
| 129   | 1.00 |     |     |     |     |     |     |     |
| 130   | 1.00 |     |     |     |     |     |     |     |
| 131   | 1.00 |     |     |     |     |     |     |     |
| 132   | 1.00 |     |     |     |     |     |     |     |
| 133   | 1.00 |     |     |     |     |     |     |     |
| 134   | 1.00 |     |     |     |     |     |     |     |
| 135   | 1.00 |     |     |     |     |     |     |     |
| 136   | 1.00 |     |     |     |     |     |     |     |
| 137   | 1.00 |     |     |     |     |     |     |     |
| 138   | 1.00 |     |     |     |     |     |     |     |
| 139   | 1.00 |     |     |     |     |     |     |     |
| 140   | 1.00 |     |     |     |     |     |     |     |
| 141   | 1.00 |     |     |     |     |     |     |     |
| 142   | 1.00 |     |     |     |     |     |     |     |
| 143   | 1.00 |     |     |     |     |     |     |     |
| 144   | 1.00 |     |     |     |     |     |     |     |
| 145   | 1.00 |     |     |     |     |     |     |     |
| 146   | 1.00 |     |     |     |     |     |     |     |
| 147   | 1.00 |     |     |     |     |     |     |     |
| 148   | 1.00 |     |     |     |     |     |     |     |
| 149   | 1.00 |     |     |     |     |     |     |     |
| 150   | 1.00 |     |     |     |     |     |     |     |
| 151   | 1.00 |     |     |     |     |     |     |     |
| 152   | 1.00 |     |     |     |     |     |     |     |
| 153   | 1.00 |     |     |     |     |     |     |     |
| 154   | 1.00 |     |     |     |     |     |     |     |
| 155   | 1.00 |     |     |     |     |     |     |     |
| 156   | 1.00 |     |     |     |     |     |     |     |
| 157   | 1.00 |     |     |     |     |     |     |     |
| 158   | 1.00 |     |     |     |     |     |     |     |
| 159   | 1.00 |     |     |     |     |     |     |     |
| 160   | 1.00 |     |     |     |     |     |     |     |
| 161   | 1.00 |     |     |     |     |     |     |     |
| 162   | 1.00 |     |     |     |     |     |     |     |
| 163   | 1.00 |     |     |     |     |     |     |     |
| 164   | 1.00 |     |     |     |     |     |     |     |
| 165   | 1.00 |     |     |     |     |     |     |     |
| 166   | 1.00 |     |     |     |     |     |     |     |
| 167   | 1.00 |     |     |     |     |     |     |     |
| 168   | 1.00 |     |     |     |     |     |     |     |
| 169   | 1.00 |     |     |     |     |     |     |     |
| 170   | 1.00 |     |     |     |     |     |     |     |
| 171   | 1.00 |     |     |     |     |     |     |     |
| 172   | 1.00 |     |     |     |     |     |     |     |
| 173   | 1.00 |     |     |     |     |     |     |     |
| 174   | 1.00 |     |     |     |     |     |     |     |
| 175   | 1.00 |     |     |     |     |     |     |     |
| 176   | 1.00 |     |     |     |     |     |     |     |
| 177   | 1.00 |     |     |     |     |     |     |     |
| 178   | 1.00 |     |     |     |     |     |     |     |
| 179   | 1.00 |     |     |     |     |     |     |     |
| 180   | 1.00 |     |     |     |     |     |     |     |
| 181   | 1.00 |     |     |     |     |     |     |     |
| 182   | 1.00 |     |     |     |     |     |     |     |
| 183   | 1.00 |     |     |     |     |     |     |     |
| 184   | 1.00 |     |     |     |     |     |     |     |
| 185   | 1.00 |     |     |     |     |     |     |     |
| 186   | 1.00 |     |     |     |     |     |     |     |
| 187   | 1.00 |     |     |     |     |     |     |     |
| 188   | 1.00 |     |     |     |     |     |     |     |
| 189   | 1.00 |     |     |     |     |     |     |     |
| 190   | 1.00 |     |     |     |     |     |     |     |
| 191   | 1.00 |     |     |     |     |     |     |     |
| 192   | 1.00 |     |     |     |     |     |     |     |
| 193   | 1.00 |     |     |     |     |     |     |     |
| 194   | 1.00 |     |     |     |     |     |     |     |
| 195   | 1.00 |     |     |     |     |     |     |     |
| 196   | 1.00 |     |     |     |     |     |     |     |
| 197   | 1.00 |     |     |     |     |     |     |     |
| 198   | 1.00 |     |     |     |     |     |     |     |
| 199   | 1.00 |     |     |     |     |     |     |     |
| 200   | 1.00 |     |     |     |     |     |     |     |

|       |      |       |       |       |       |       |       |       |
|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 1000  | 1.00 | 35.00 | 40.00 | 50.00 | 50.00 | 50.00 | 50.00 | 50.00 |
| 101   | 1.00 | 4.00  | 4.00  | 4.00  | 4.00  | 4.00  | 4.00  | 4.00  |
| TOTAL | 1000 | 39.00 | 44.00 | 54.00 | 54.00 | 54.00 | 54.00 | 54.00 |





OPERATING LOCATION: 100  
 0301 100, 100 100 100

COORDINATE: 100 100 100

STATION: 100 100 100 100 100 100 100 100 100 100  
 STATION: 100 100 100 100 100 100 100 100 100 100

| ITEM<br>(000-#) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 01              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 02              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 03              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 04              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 05              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 06              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 07              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 08              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 09              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 10              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 11              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 12              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 13              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 14              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 15              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 16              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 17              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 18              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 19              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 20              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 21              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 22              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 23              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 24              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 25              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 26              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 27              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 28              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 29              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 30              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 31              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 32              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 33              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 34              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 35              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 36              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 37              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 38              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 39              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 40              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 41              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 42              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 43              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 44              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 45              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 46              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 47              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 48              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 49              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 50              | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

|           |     |     |     |     |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0041      | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 00        | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| TOTAL 005 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

STATE DEPARTMENT OF REVENUE - 1900-1901 TO 1901-1902  
 - SUMMARY OF DATA -

| MONTH: ALL |       |      |      |       |       |       |       |       |
|------------|-------|------|------|-------|-------|-------|-------|-------|
| 1900       | JUN   | JUL  | AUG  | SEP   | OCT   | NOV   | DEC   | 1901  |
| .1         | .1    | .7   | .8   | .7    | .7    | .1    |       | .1    |
| .1         | 1.1   | 1.1  | 1.2  | .7    |       |       |       | 1.6   |
| .3         | .4    | 11.7 | 24.4 | 1.1   |       |       |       | 5.2   |
| .7         | 10.   | 17.7 | 31.7 | 13.1  | .7    | .1    |       | 14.4  |
| 13.        | 10.   | 6.9  | 1.1  | 37.7  | 5.4   | .4    |       | 24.0  |
| 17.7       | .1    | 1.7  | 1.1  | 38.8  | 17.7  | 1.7   | .1    | 58.7  |
| 21.        | 12.7  | 13.7 | .1   | 33.7  | 27.3  | 11.3  | .4    | 42.2  |
| .1         | 1.7   |      | 1.1  | 37.6  | 31.1  | .1    |       | 11.1  |
| .2         | 1.0.0 |      |      | 31.3  | 2.1   | 31.3  | 7.    | 63.6  |
| .2         |       |      |      | 32.2  | 3.1   | 33.3  | 11.2  | 64.1  |
| 31.1       |       |      |      | 131.1 | 25.7  | 35.6  | 28.7  | 71.6  |
|            |       |      |      |       | 40.3  | 34.2  | 41.3  | 73.5  |
|            |       |      |      |       | 101.1 | 27.1  | 21.2  | 10.1  |
|            |       |      |      |       |       | 13.1  | 71.1  | 12.1  |
|            |       |      |      |       |       | 110.1 | 10.1  | 34.1  |
|            |       |      |      |       |       |       | 21.1  | 27.8  |
|            |       |      |      |       |       |       | 31.7  | 23.3  |
|            |       |      |      |       |       |       | 41.1  | 37.7  |
|            |       |      |      |       |       |       | 121.1 | 130.0 |
|            |       |      |      |       |       |       |       | 142.1 |
|            |       |      |      |       |       |       |       | 155.0 |

|      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|-------|
| 1.1  | 1.7  | 1.9  | 1.1  | 32.7 | 41.0 | 31.1 | 11.  | 34.0  |
| 1.1  | 1.1  | 1.1  | 1.1  | 7.52 | 7.59 | 1.14 | 1.7  | 17.40 |
| 1904 | 1902 | 1923 | 1923 | 1990 | 1923 | 1990 | 1923 | 12139 |

OPERATING DISCOUNT  
 USASUAT, ACHVILLE

CUMULATIVE DISCOUNT 1954-1955

STATION 100000

STARTED 1954

EST TO DEC: 400

| ITEM<br>(DEC-5) | JAN  | FEB  | MAR   | APR   | MAY   | JUN   | JUL   | AUG   |
|-----------------|------|------|-------|-------|-------|-------|-------|-------|
| 01              |      |      |       |       |       |       | .7    | .2    |
| 02              |      |      |       |       | .4    | 2.3   | 6.4   | 4.1   |
| 03              | 7.1  |      |       |       | 1.0   | 12.1  | 51.4  | 11.1  |
| 04              | 7.1  |      |       | .7    | 6.1   | 21.6  | 10.7  | 42.3  |
| 05              |      |      |       | 1.0   | 10.7  | 31.4  | 17.4  | 71.7  |
| 06              |      |      |       | 4.3   | 24.7  | 71.1  | 13.3  | 11.0  |
| 07              |      | .1   | .1    | 1.2   | 11.4  | 33.4  | 10.1  | 44.3  |
| 08              |      | .2   | .2    | 2.1   | 25.1  | 31.3  | 21.7  | 102.2 |
| 09              |      | .1   | .1    | 3.0   | 30.2  | 25.3  | 103.3 |       |
| 10              | 4.1  | 1.7  | 6.1   | 25.9  | 10.3  | 13.3  |       |       |
| 11              |      | 11.1 | 11.1  | 39.0  | 11.1  | 110.1 |       |       |
| 12              | 2.2  | 11.1 | 21.1  | 39.2  | 31.7  |       |       |       |
| 13              | 3.1  | 12.7 | 32.1  | 73.1  | 37.1  |       |       |       |
| 14              | 2.2  | 13.1 | 37.3  | 21.1  | 11.3  |       |       |       |
| 15              | 2.2  | 13.4 | 71.7  | 27.3  | 110.3 |       |       |       |
| 16              | 1    | 1.0  | 11.3  | 22.1  |       |       |       |       |
| 17              | 1.1  | 11.3 | 11.1  | 11.1  |       |       |       |       |
| 18              |      | 17.1 | 11.1  | 127.3 |       |       |       |       |
| 19              | 1    | 11.0 | 113.0 |       |       |       |       |       |
| 20              |      | 11.2 |       |       |       |       |       |       |
| 21              | -1.0 | 11.1 |       |       |       |       |       |       |

|            |      |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|------|
| 1954       | 24.1 | 29.2 | 25.0 | 41.4 | 33.1 | 25.3 | 71.3 | 32.1 |
| 50         | 4.1  | 2.13 | 7.73 | 7.13 | 7.36 | 6.13 | 5.11 | 3.35 |
| TOTAL 1955 | 1023 | 932  | 1033 | 1011 | 1054 | 1010 | 1023 | 1023 |

CONTINGENCY OF OCCURRENCE OF MEAN TEMPERATURES IN HARTWELL  
 MONTH SUMMARY OF DAY DATA

PERIOD OF RECORD: 1904-1953

MONTH: ALL HOURS: ALL

| MAY  | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |       | .7    | .2    |       |       |       |       | .1    |
| 1.4  | 2.3   | 6.4   | 4.3   | 1.1   |       |       |       | 1.2   |
| 1.6  | 10.6  | 27.4  | 10.4  | 4.7   |       |       |       | 5.3   |
| 1.8  | 18.4  | 50.7  | 32.3  | 14.5  | 4.4   |       |       | 13.1  |
| 2.7  | 31.4  | 77.3  | 71.0  | 52.7  | 4.1   | .3    |       | 22.7  |
| 4.7  | 77.4  | 93.2  | 81.9  | 77.7  | 14.4  | 1.8   |       | 32.1  |
| 13.4 | 91.1  | 100.0 | 94.6  | 82.6  | 31.7  | 5.0   | .2    | 40.6  |
| 14.2 | 92.7  |       | 100.0 | 85.0  | 54.2  | 15.7  | 1.4   | 43.7  |
| 20.8 | 100.0 |       |       | 100.0 | 82.2  | 32.2  | 4.7   | 55.0  |
| 22.7 |       |       |       |       | 98.9  | 56.0  | 13.1  | 65.7  |
| 24.7 |       |       |       |       | 96.2  | 73.4  | 27.1  | 74.6  |
|      |       |       |       |       | 72.0  | 57.7  | 37.3  | 70.2  |
|      |       |       |       |       | 100.0 | 96.7  | 60.0  | 82.3  |
|      |       |       |       |       |       | 92.2  | 75.2  | 82.1  |
|      |       |       |       |       |       | 100.0 | 96.0  | 93.0  |
|      |       |       |       |       |       |       | 93.4  | 97.0  |
|      |       |       |       |       |       |       | 95.0  | 98.9  |
|      |       |       |       |       |       |       | 97.5  | 99.7  |
|      |       |       |       |       |       |       | 99.0  | 99.9  |
|      |       |       |       |       |       |       | 100.0 | 100.0 |
|      |       |       |       |       |       |       |       | 100.0 |

|      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|-------|
| 68.1 | 68.3 | 72.0 | 69.1 | 61.5 | 61.1 | 61.4 | 29.2 | 60.1  |
| 7.96 | 9.13 | 5.41 | 5.95 | 7.25 | 7.42 | 7.90 | 9.37 | 17.93 |
| 1054 | 1022 | 1023 | 1023 | 990  | 1023 | 990  | 1023 | 12135 |

OPERATING LOCATION:  
USAFETAC, ASHTVILLE, NC

REPLY BY AIRMAIL IF POSSIBLE  
DATE: 11/11/66

STATION NUMBER: 76000

STATION NAME: C. A. ...  
LST NUMBER: 40

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 55   |     |     |     | 78  | 7   | 1   |     |     |
| 56   | 54  | 55  | 55  | 75  | 21  | 22  |     |     |
| 57   | 57  | 44  | 54  | 60  | 24  | 7   | 22  | 22  |
| 58   | 54  | 50  | 57  | 71  | 3   | 6   |     |     |
| 59   | 52  | 49  | 56  | 75  | 31  | 22  |     | 22  |
| 60   |     |     |     |     |     |     |     |     |
| 61   | 50  | 50  | 57  | 72  | 3   | 1   |     |     |
| 62   | 50  | 44  | 75  | 50  | 7   |     | 1   |     |
| 63   | 47  | 53  | 57  | 75  | 22  | 22  | 22  | 22  |
| 64   | 43  | 47  | 5   | 71  | 77  |     | 11  |     |
| 65   | 55  | 47  | 51  | 7   | 22  | 22  | 22  |     |
| 66   |     |     |     |     |     |     |     |     |
| 67   | 50  | 54  | 55  | 75  | 21  | 22  | 7   |     |
| 68   | 50  | 44  | 5   | 74  | 77  | 22  | 22  | 22  |
| 69   | 48  | 47  | 54  | 77  | 7   | 41  | 41  |     |
| 70   | 44  | 24  | 52  | 77  | 27  | 7   |     |     |
| 71   | 46  | 50  | 54  | 75  | 2   | 22  | 22  | 22  |
| 72   | 50  | 54  | 54  | 75  | 2   | 22  | 22  |     |
| 73   | 50  | 51  | 54  | 72  | 72  | 22  | 22  | 22  |
| 74   | 51  | 50  | 57  | 5   | 22  | 22  | 22  | 22  |
| 75   | 52  | 51  | 52  | 55  | 22  | 41  | 41  | 22  |
| 76   | 52  | 52  | 55  | 51  | 44  | 51  | 45  | 45  |
| 77   | 49  | 42  | 75  | 51  | 41  |     | 55  | 55  |
| 78   | 53  | 42  | 55  | 50  | 55  |     | 55  | 55  |
| 79   | 54  | 47  | 53  | 71  | 53  | 45  | 45  | 55  |
| 80   | 55  | 42  | 55  | 75  | 27  | 45  | 41  | 22  |
| 81   | 42  | 52  | 75  | 73  | 30  | 34  | 41  | 55  |
| 82   | 52  | 47  | 54  | 5   | 41  | 41  | 44  | 55  |
| 83   | 55  | 54  | 55  | 51  | 75  | 22  | 33  | 22  |
| 84   | 47  | 50  | 51  | 70  | 5   | 41  | 41  | 55  |
| 85   | 39  | 55  | 75  | 55  | 27  | 45  | 75  | 41  |
| 86   |     |     |     |     |     |     |     |     |
| 87   | 50  | 41  | 71  | 70  | 25  | 25  | 25  | 55  |
| 88   | 45  | 49  | 54  | 72  | 41  | 5   | 5   | 57  |
| 89   | 53  | 53  | 55  | 54  | 25  | 25  | 24  | 22  |
| 90   | 55  | 55  | 70  | 55  | 41  | 22  |     |     |



OPERATING LOCATION: 441  
USAF/PTAC, ASHVILLE NC

STATION NAME: 441  
STATION NO: 441

STATION NAME: 441  
STATION NO: 441

YEAR: JAN FEB MAR APR MAY JUN JUL AUG

GREATEST 51 56 73 91 99 95 101 101

TOTAL 100 100 100 100 100 100 100 100

THE GREATEST VALUE OF 101 OCCURRED ON 07/01/64

NOTE: WHEN VALUE IS PASSED OF A MONTH WITH 2.00 THEN 0.00 IS

1 - 1 - 1

A

SYNOPSIS REPORT: L. J. FAYNEHILL  
PERIOD: 07/01/64

PERIOD OF RECORD: 06/04-1976  
MONTH: ALL HOURS: ALL

.....  
MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL  
.....

.....  
11 10 101 100 99 97 76 63 101  
.....  
1974 1975 1976 1977 1978 1979 1980 1981 12135  
.....

0000 00 00 07/01/64

DATA ARE 2135 THAN 00 OF THE DATA AVAILABLE FOR THE PERIOD



OPERATION LEGALITY, 1941  
 SAFETY, 1941-1942

PROPERTY - INVENTORY - 1941-1942  
 1941-1942

STATION NAME: 7000000  
 SERIAL NAME: 7000000  
 SITE NO: 7000000

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 56   |     |     |     | 278 | 22  | 11  | 11  | 11  |
| 57   | -15 | 7   | 17  | 25  | 37  | 1   | 1   | 17  |
| 58   | 3   | -4  | 23  | 21  | 33  | 42  | 42  | 1   |
| 59   | -2  | -2  | 11  | 27  | 31  | 42  | 1   | 1   |
| 60   | 3   | 17  | 7   | 25  | 35  | 42  | 11  | 11  |
| 61   | -10 | -7  | 11  | 23  | 33  | 41  | 12  | 11  |
| 62   | -1  | -7  | 1   | 23  | 35  | 47  | 1   | 11  |
| 63   | 3   | -3  | 11  | 27  | 24  | 47  | 11  | 11  |
| 64   | -6  | 1   | 1   | 15  | 32  | 44  | 11  | 11  |
| 65   | -1  | 3   | 11  | 21  | 37  | 41  | 42  | 1   |
| 66   | -2  | -1  | 11  | 27  | 13  | 41  | 11  | 1   |
| 67   | 1   | -7  | 1   | 23  | 31  | 47  | 1   | 1   |
| 68   | -12 | -4  | 1   | 27  | 33  | 47  | 12  | 47  |
| 69   | 1   | 3   | 1   | 11  | 34  | 44  | 1   | 11  |
| 70   | -2  | 3   | 11  | 27  | 31  | 41  | 11  | 1   |
| 71   | -13 | -7  | 17  | 37  | 47  | 43  | 11  | 47  |
| 72   | -1  | -7  | 1   | 27  | 37  | 43  | 1   | 1   |
| 73   | -1  | -7  | 1   | 23  | 31  | 41  | 11  | 11  |
| 74   | -11 | 1   | 11  | 27  | 16  | 47  | 11  | 1   |
| 75   | 1   | -1  | 11  | 27  | 42  | 43  | 11  | 1   |
| 76   | 1   | 7   | 11  | 23  | 27  | 43  | 11  | 44  |
| 77   | 1   | 4   | 21  | 21  | 27  | 43  | 43  | 41  |
| 78   | 1   | 1   | 1   | 24  | 37  | 42  | 42  | 1   |
| 79   | 1   | -5  | 13  | 1   | 27  | 41  | 1   | 11  |
| 80   | 1   | 2   | 1   | 31  | 31  | 42  | 11  | 11  |
| 81   | -1  | 1   | 1   | 21  | 31  | 41  | 14  | 41  |
| 82   | -1  | 1   | 1   | 17  | 11  | 41  | 17  | 11  |
| 83   | -1  | 1   | 20  | 23  | 34  | 44  | 11  | 11  |
| 84   | -1  | 1   | 1   | 27  | 31  | 41  | 11  | 11  |
| 85   | 1   | 1   | 11  | 25  | 34  | 41  | 11  | 11  |
| 86   | 1   | 5   | 11  | 31  | 31  | 41  | 11  | 44  |
| 87   | 1   | -2  | 1   | 23  | 26  | 44  | 11  | 47  |
| 88   | -4  | 1   | 11  | 31  | 42  | 41  | 47  | 41  |
| 89   | 1   | 7   | 1   | 21  | 41  | 41  | 1   | 1   |

WINDY TEMPERATURE IN FAIRBANKS  
 1954-1955

PERIOD OF RECORD: 1954-1955  
 MONTH: ALL YEARS: ALL

| DAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1   | 44  | 51  | 52  | 37  | 30  | 17  | 2   | 28     |
| 2   | 43  | 50  | 47  | 39  | 32  | 12  | 12  | -15    |
| 3   | 42  | 53  | 52  | 40  | 28  | 15  | 2   | -4     |
| 4   | 43  | 53  | 53  | 39  | 27  | 17  | 5   | -3     |
| 5   | 45  | 56  | 50  | 39  | 23  | 21  | 1   | 1      |
| 6   | 44  | 52  | 45  | 3   | 27  | 14  | 5   | -13    |
| 7   | 47  | 48  | 51  | 32  | 26  | 23  | -   | -7     |
| 8   | 47  | 51  | 5   | 27  | 31  | 24  | -   | -9     |
| 9   | 44  | 52  | 49  | 34  | 32  | 19  | 7   | -4     |
| 10  | 43  | 47  | 43  | 35  | 29  | 17  | 5   | -10    |
| 11  | 44  | 49  | 4   | 36  | 23  | 11  | 5   | -5     |
| 12  | 42  | 48  | 49  | 47  | 19  | 13  | 7   | -9     |
| 13  | 47  | 52  | 47  | 34  | 32  | 20  | -3  | -12    |
| 14  | 44  | 48  | 51  | 27  | 24  | 15  | -1  | -1     |
| 15  | 46  | 54  | 53  | 46  | 25  | 20  | 5   | -5     |
| 16  | 43  | 49  | 47  | 49  | 37  | 18  | 5   | -13    |
| 17  | 43  | 48  | 4   | 42  | 26  | 11  | 5   | -7     |
| 18  | 41  | 46  | 42  | 36  | 22  | 20  | 2   | -6     |
| 19  | 40  | 51  | 45  | 48  | 23  | 20  | 13  | -10    |
| 20  | 43  | 50  | 47  | 39  | 36  | 25  | -   | -5     |
| 21  | 45  | 51  | 46  | 30  | 26  | 21  | 2   | -8     |
| 22  | 46  | 49  | 43  | 41  | 24  | 25  | 7   | 0      |
| 23  | 42  | 48  | 42  | 39  | 23  | 17  | 11  | 0      |
| 24  | 43  | 51  | 41  | 37  | 31  | 17  | -   | -2     |
| 25  | 42  | 50  | 36  | 37  | 29  | 11  | -   | -3     |
| 26  | 40  | 54  | 42  | 32  | 31  | 21  | 11  | -8     |
| 27  | 43  | 47  | 42  | 43  | 27  | 20  | 7   | -5     |
| 28  | 46  | 51  | 50  | 41  | 22  | 26  | -4  | -4     |
| 29  | 4   | 52  | 52  | 45  | 30  | 31  | 12  | -5     |
| 30  | 46  | 50  | 50  | 40  | 26  | 21  | 5   | 4      |
| 31  | 45  | 54  | 46  | 29  | 29  | 15  | 15  | 1      |
| 32  | 46  | 53  | 43  | 41  | 30  | 16  | -   | -2     |
| 33  | 43  | 47  | 45  | 39  | 29  | 25  | 2   | -4     |
| 34  | 47  |     |     |     |     |     |     | 28     |

OPERATING LOCATION: AM  
USAFPTAD, ARNOLD AFB

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM JANUARY TO MAY DATA

STATION NUMBER: 724035

STATION NAME: PRAGE AFB, MO

ELE ELEVATION: 405

.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG  
.....

.....  
LEAST -14 -9 2 17 29 33 47 49  
.....

.....  
TOTAL 165 1023 932 1023 1011 1064 1020 1033 1021  
.....

THE LEAST VALUE OF -14 OCCURRED ON 31/10/57

NOTE: \*THE VALUE IS BASED ON A MONTHLY MEAN FROM 1951 TO 1957

5 - 3 - 24

.....  
 LIGHT TEMPERATURES IN FAHRENHEIT  
 AND SUMMARY OF DAY DATA

.....  
 PRINTED ON PLOTTER: 5494-1000  
 MONTH: ALL HOURS: ALL

.....  
 MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL  
 .....

.....  
 21 33 47 40 42 23 11 -2 -16

.....  
 100 1000 1000 900 1000 900 1000 12135

.....  
 2200 00 01 01/15/67

.....  
 NO DATA LESS THAN 90% OF THE DATA AVAILABLE FOR THE DAY

.....  
 1 - 3 - 21

OPERATIONAL LOCATION: MA  
USAFETAS, ASHVILLE, NC

UNIT: 101ST AIRBORNE DIVISION  
101ST AIRBORNE DIVISION

STATISTICAL MONTH: 700007

SECTION NAME: 101ST AIRBORNE DIVISION

101ST AIRBORNE DIVISION

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 55   |     |     |     | 438 | 15  | 10  | 1   | 1   |
| 57   | 11  | 51  | 33  | 47  | 27  | 11  | 11  |     |
| 58   | 24  | 22  | 27  | 47  | 24  | 22  | 21  | 71  |
| 59   | 24  | 23  | 24  | 48  | 21  | 12  | 21  | 21  |
| 60   | 27  | 32  | 1   | 48  | 57  | 7   | 21  | 21  |
| 61   | 13  | 27  | 33  | 41  | 20  | 10  |     |     |
| 62   | 14  | 21  | 34  | 40  | 14  | 2   | 7   | 7   |
| 63   | 22  | 21  | 2   | 42  | 21  | 22  | 21  | 11  |
| 64   | 1   | 24  | 21  | 41  | 7   |     | 21  | 21  |
| 65   | 22  | 21  | 33  | 43  | 21  | 1   | 21  | 7   |
| 66   | 24  | 13  | 1   | 41  | 21  | 1   | 21  |     |
| 67   | 14  | 13  | 21  | 41  | 21  | 7   | 21  |     |
| 68   | 11  | 21  | 21  | 27  | 21  | 12  | 21  | 27  |
| 69   | 21  | 21  | 1   | 21  | 21  | 1   | 21  | 57  |
| 70   | 1   | 27  | 21  | 41  | 21  | 1   | 21  | 21  |
| 71   | 14  | 1   | 21  | 41  | 1   | 21  | 21  | 21  |
| 72   | 27  | 27  | 34  | 41  | 7   | 1   | 21  |     |
| 73   | 21  | 21  | 1   | 41  | 21  | 21  | 21  | 21  |
| 74   | 1   | 21  | 21  | 21  | 1   | 1   | 21  |     |
| 75   |     | 27  | 21  | 41  | 11  | 11  | 21  | 11  |
| 76   | 11  | 32  | 27  | 1   | 37  | 21  | 21  | 1   |
| 77   | 11  | 21  | 27  | 21  | 21  | 21  | 21  | 21  |
| 78   | 14  | 24  | 21  | 21  | 21  | 27  | 22  | 21  |
| 79   | 1   | 21  | 1   | 21  | 21  | 21  | 21  |     |
| 80   | 27  | 24  | 21  | 41  | 27  | 14  | 22  | 7   |
| 81   | 12  | 34  | 27  | 41  | 21  | 1   | 27  |     |
| 82   | 17  | 27  | 24  | 41  | 21  | 21  | 21  |     |
| 83   | 27  | 21  | 27  | 41  | 27  | 27  | 21  | 21  |
| 84   | 28  | 34  | 21  | 41  | 21  | 27  | 21  | 21  |
| 85   | 1   | 30  | 27  | 41  | 27  | 21  | 21  | 27  |
| 86   | 27  | 25  | 1   | 41  | 21  | 21  | 21  | 1   |
| 87   | 28  | 25  | 21  | 21  | 21  | 21  | 21  | 1   |
| 88   | 28  | 21  | 27  | 41  | 27  | 1   | 21  | 21  |
| 89   | 32  | 21  | 35  | 41  | 21  | 1   |     |     |

STATE OF TEXAS  
COUNTY OF DALLAS

DEEDS OF THE COUNTY OF DALLAS, TEXAS  
CONTAINING ALL DEEDS OF THE COUNTY OF DALLAS, TEXAS

| NO. | JAN | FEB | MAR | APR | MAY | JUN | JUL | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 2   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 3   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 4   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 5   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 6   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 7   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 8   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 9   | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 11  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 12  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 13  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 14  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 15  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 16  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 17  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 18  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 19  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 20  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 21  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 22  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 23  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 24  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 25  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 26  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 27  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 28  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 29  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 30  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 31  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 32  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 33  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 34  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 35  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 36  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 37  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 38  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 39  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 40  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 41  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 42  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 43  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 44  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 45  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 46  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 47  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 48  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 49  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 50  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 51  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 52  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 53  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 54  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 55  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 56  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 57  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 58  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 59  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 60  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 61  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 62  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 63  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 64  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 65  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 66  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 67  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 68  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 69  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 70  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 71  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 72  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 73  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 74  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 75  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 76  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 77  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 78  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 79  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 80  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 81  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 82  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 83  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 84  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 85  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 86  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 87  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 88  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 89  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 90  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 91  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 92  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 93  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 94  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 95  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 96  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 97  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 98  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 99  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |
| 100 | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10     |

OPERATING LOCATION: 101  
HOSPITAL, 101 VICT

DATE: 10/1/1964

STATION: 101 101 101 101 101 101 101 101 101

DATE: 10/1/1964

.....  
YEAR 1964 1965 1966 1967 1968 1969 1970 1971 1972  
.....

.....  
YEAR 1964 1965 1966 1967 1968 1969 1970 1971 1972  
.....  
TOTAL 101 101 101 101 101 101 101 101 101  
.....

NOTE: \*FET VALUE IS ADDED BY A CORRECTION FACTOR TO THE TOTAL

24. ALL INFORMATION IS UNCLASSIFIED  
DATE 11/11/00 BY 1045

REVIEWED BY: 1045-1045  
MONTH: ALL PERIOD: ALL

| 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | ANNUAL |
|------|------|------|------|------|------|------|------|--------|
|------|------|------|------|------|------|------|------|--------|

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 61.1 | 61.2 | 7.2  | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |

DATA CONTAINS 99% OF THE DATA AVAILABLE FOR THE PERIOD



OPERATING LOCATION NAME  
USAFETAC, ANDREWS AFB

DAY 2113 TEMPERATURE SUMMARY  
01 JUL 1967 0000Z

STATION NUMBER: 725055

STATION NAME: PLAGE AFB, MO

EST TIME: + 5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL |     |     |
|--------------|------|-----------------------|-------|-----|-----|
| 00-02        | 21.2 | 10.435                | 930   | 7   | 71  |
| 03-05        | 20.7 | 11.006                | 930   | 7   | 77  |
| 06-08        | 20.9 | 11.149                | 930   | 7   | 71  |
| 09-11        | 21.7 | 10.479                | 930   | 7   | 74  |
| 12-14        | 25.5 | 10.032                | 930   | 1   | 71  |
| 15-17        | 21.7 | 11.456                | 930   | 1   | 72  |
| 18-20        | 20.7 | 11.743                | 930   | 1   | 71  |
| 21-23        | 24.7 | 10.413                | 930   | 7   | 71  |
| ALL<br>HOURS | 24.1 | 11.191                | 7940  | 110 | 712 |

|              |      |        |      |    |     |
|--------------|------|--------|------|----|-----|
| 00-02        | 25.7 | 11.717 | 930  | 1  | 72  |
| 03-05        | 26.5 | 10.122 | 930  | 1  | 71  |
| 06-08        | 23.9 | 10.141 | 930  | 3  | 67  |
| 09-11        | 24.5 | 11.442 | 930  | 3  | 69  |
| 12-14        | 32.9 | 11.777 | 930  | 3  | 61  |
| 15-17        | 33.1 | 11.433 | 930  | 1  | 67  |
| 18-20        | 29.9 | 11.497 | 930  | 3  | 63  |
| 21-23        | 27.5 | 11.901 | 930  | 3  | 61  |
| ALL<br>HOURS | 27.3 | 11.761 | 5722 | 15 | 447 |

DAY TEMPERATURE SUMMARY  
 JULY 1964

PERIOD OF RECORD: JUL 79 - JUN 64  
 MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL

60-64 65-69 70-74 75-79 80-84 85-89

0 753 0 0 0 0

0 770 0 0 0 0

0 783 0 0 0 0

0 796 0 0 0 0

1 809 0 0 0 0

1 822 0 0 0 0

0 835 0 0 0 0

0 848 0 0 0 0

113 2820 0 0 0 0

MONTH: AUG

0 851 0 0 0 0

0 864 0 0 0 0

0 877 0 0 0 0

0 890 0 0 0 0

0 903 0 0 0 0

0 916 0 0 0 0

0 929 0 0 0 0

0 942 0 0 0 0

16 4475 0 0 0 0

OPERATING LOCATION: "AW"  
USAFETAC, ASHEVILLE, NC

22Y - JUL 1945 - 22 JUL 1945  
7:00 PM - 7:00 PM

STATION NUMBER: 725058

STATION NAME: MEAS. AREA 14

170

LST TO UTC: + 5

170

| HOURS     | MEAS. | STANDARD  | TOTAL | STATION NUMBER | STATION NAME |
|-----------|-------|-----------|-------|----------------|--------------|
| LST       |       | DEVIATION | Obs   |                |              |
| 00-02     | 31.5  | 0.035     | 932   | 7              | 440          |
| 03-05     | 30.5  | 0.454     | 940   | 7              | 723          |
| 06-08     | 31.0  | 0.732     | 937   | 8              | 403          |
| 09-11     | 30.7  | 10.377    | 922   |                | 300          |
| 12-14     | 40.5  | 0.922     | 930   | 9              | 180          |
| 15-17     | 40.4  | 0.521     | 937   | 9              | 175          |
| 18-20     | 35.5  | 0.453     | 933   | 9              | 275          |
| 21-23     | 34.1  | 0.599     | 940   | 9              | 300          |
| ALL HOURS | 35.2  | 10.057    | 7452  | 7              | 9            |

|           |      |       |      |   |     |
|-----------|------|-------|------|---|-----|
| 00-02     | 41.7 | 0.553 | 960  | 9 | 50  |
| 03-05     | 40.3 | 0.445 | 923  | 9 | 100 |
| 06-08     | 42.4 | 0.403 | 970  | 9 | 47  |
| 09-11     | 40.5 | 7.333 | 900  | 9 | 15  |
| 12-14     | 51.3 | 3.717 | 900  | 9 | 10  |
| 15-17     | 50.7 | 1.34  | 800  | 9 | 7   |
| 18-20     | 45.7 | 7.517 | 900  | 9 | 10  |
| 21-23     | 44.7 | 0.285 | 900  | 9 | 20  |
| ALL HOURS | 45.3 | 3.402 | 7132 | 9 | 257 |

# BY JULY TEMPERATURE SUMMARY

DATE: JULY 1954

PERIOD OF RECORD: JUL 71 - JUN 50

MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEGREE

6-10 11-13 14-16 17-19 20-22 23-25 26-28 29-31

TOTAL

2 440 3 0 0 400

5 223 3 0 0 236

2 400 3 0 0 400

2 350 10 0 0 360

6 140 25 0 0 165

2 145 13 0 0 158

2 200 3 0 0 203

2 350 0 0 0 350

2 250 2 0 0 252

DATE: 1954

2 50 2 0 0 52

2 145 0 0 0 145

2 47 0 0 0 47

6 13 25 0 0 38

6 10 73 2 0 85

2 7 35 4 0 46

2 0 22 0 0 22

2 28 11 0 0 39

2 250 174 0 0 424



# DAY JULY TEMPERATURE SUMMARY

4 JULY 1964 STATION 15

PERIOD OF RECORD: JUL 79 - JUL 84

UNIT: °F

STATION 151370 SE. 10045 WITH TEMPERATURES 0105 TOTAL

L 0 L 32 SE SE SE SE SE SE SE SE

0 0 52 0 0 0 0

0 1 33 0 0 0 0

0 0 32 1 0 0 0

0 0 27.5 23 0 0 0

0 0 34 0 0 0 0

0 0 30 0 0 0 0

0 0 117 15 0 0 0

0 0 100 0 0 0 0

1 13.0 13.8 0 74.0

UNIT: °F

0 0 172 1 0 0 0

0 0 110 0 0 0 0

0 0 27.5 0 0 0 0

0 0 397 0 0 0 0

0 0 334 159 0 0 0

0 0 34.5 154 0 0 0

0 0 432 31 0 0 0

0 0 234 4 0 0 0

0 0 3253 510 12 71.5

7 - 6 - 1 - 5

OPERATING LOCATION "A"  
JSAFAC, ASHEVILLE, NC

DAY 1000 1000-1000 1000 1000  
1000 1000 1000 1000

STATION NUMBER: 725000

STATION NAME: 1000 1000

EST TO HQ: 4.5

HOURS  
LST

MEAN

STANDARD

DEVIATION

TOTAL

MEAN TOTAL

00-02 63.5 5.401 240

03-05 63.5 5.401 240

06-08 67.4 5.337 240

09-11 74.9 5.355 240

12-14 71.5 7.102 240

15-17 72.5 7.435 240

18-20 72.5 5.545 240

21-23 64.1 5.339 240

ALL  
HOURS 71.2 5.332 7440

00-02 63.5 5.345 240

03-05 62.2 5.545 240

06-08 64.1 5.435 240

09-11 72.1 5.245 240

12-14 75.5 7.554 240

15-17 74.7 7.637 240

18-20 69.5 5.635 240

21-23 65.1 5.249 240

ALL  
HOURS 68.5 5.372 7440

COILED TEMPERATURE SUMMARY  
 JULY OBSERVATIONS

PERIOD OF RECORD: JUL 77 - JUN 88  
 MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES 0.0 F - TOTAL

0 12 50 52 54 56 58 60

0 1 55 0 0 0

0 402 0 0 0

0 552 0 0 0

0 575 257 0 0

0 0 707 445 15 0

0 0 0 552 15 0

0 0 0 150 0 0

0 502 25 0 0

0 0 502 122 0 0

MONTH: AUG

0 0 442 0 0 0

0 0 375 0 0 0

0 0 405 7 0 0

0 0 705 145 0 0

0 0 61 301 0 0

0 0 442 25 11 0

0 0 714 55 0 0

0 0 542 26 0 0

0 0 500 126 15 0



OPERATING LOCATION: "A"  
USAFETAC, ASHVILLE, NC

DRY BULB TEMPERATURE: 71.0  
RELATIVE HUMIDITY: 65.0

STATION NUMBER: 725355

STATION NAME: PLASE WE3 11

LST TO VIC: + 5

DATE: 11/11/54

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>HRS | TOTAL<br>HOURS OF<br>OBSERVATION |
|--------------|------|-----------------------|--------------|----------------------------------|
| 00-02        | 56.7 | 7.551                 | 900          | 0                                |
| 03-05        | 55.1 | 7.224                 | 900          | 0                                |
| 06-08        | 56.0 | 7.331                 | 900          | 0                                |
| 09-11        | 54.5 | 7.421                 | 900          | 0                                |
| 12-14        | 52.1 | 6.027                 | 900          | 0                                |
| 15-17        | 57.7 | 7.117                 | 900          | 0                                |
| 18-20        | 51.3 | 7.430                 | 900          | 0                                |
| 21-23        | 52.7 | 7.252                 | 900          | 0                                |
| ALL<br>HOURS | 51.2 | 2.127                 | 7200         | 0                                |

|              |      |       |      |   |
|--------------|------|-------|------|---|
| 00-02        | 45.2 | 6.251 | 900  | 0 |
| 03-05        | 44.5 | 6.551 | 900  | 0 |
| 06-08        | 45.5 | 6.321 | 900  | 0 |
| 09-11        | 52.2 | 7.725 | 900  | 0 |
| 12-14        | 55.2 | 7.244 | 900  | 0 |
| 15-17        | 59.2 | 7.111 | 900  | 0 |
| 18-20        | 50.5 | 7.472 | 900  | 0 |
| 21-23        | 47.7 | 7.265 | 900  | 0 |
| ALL<br>HOURS | 50.6 | 2.121 | 7440 | 0 |



OPERATING LOCATION MAP  
USAF, AF, AND VULCAN

DATE: 10/10/1964  
BY: [illegible]

STATION NAME: [illegible]

UNIT: [illegible]

EST. 10/10/64

| GROUP | STATION | STATION NAME | TOTAL | STATION NAME | TOTAL |
|-------|---------|--------------|-------|--------------|-------|
| EST   |         | STATION NAME | TOTAL |              |       |
| 00-02 | 20.0    | 11.453       | 32.0  |              |       |
| 03-05 | 20.0    | 11.453       | 32.0  |              |       |
| 06-07 | 20.0    | 11.453       | 32.0  |              |       |
| 08-11 | 45.0    | 11.453       | 32.0  |              |       |
| 12-14 | 47.0    | 11.453       | 32.0  |              |       |
| 15-17 | 40.0    | 11.453       | 32.0  |              |       |
| 18-20 | 40.0    | 11.453       | 32.0  |              |       |
| 21-23 | 40.0    | 11.453       | 32.0  |              |       |
| ALL   |         |              |       |              |       |
| GROUP | 41.7    | 11.453       | 73.0  |              |       |

|       |      |        |      |  |  |
|-------|------|--------|------|--|--|
| 00-02 | 20.0 | 11.453 | 32.0 |  |  |
| 03-05 | 20.0 | 11.453 | 32.0 |  |  |
| 06-07 | 27.0 | 11.453 | 32.0 |  |  |
| 08-11 | 50.0 | 11.453 | 32.0 |  |  |
| 12-14 | 34.0 | 11.453 | 32.0 |  |  |
| 15-17 | 34.0 | 11.453 | 32.0 |  |  |
| 18-20 | 31.0 | 11.453 | 32.0 |  |  |
| 21-23 | 29.0 | 11.453 | 32.0 |  |  |
| ALL   |      |        |      |  |  |
| GROUP | 35.6 | 11.453 | 74.0 |  |  |



OPERATING LICENSE NO.  
USATRIAL, 401 WILSON RD

DAY 101 1001 1001 1001 1001  
101 101 101 101 101

STATION 101 : 101 101

STATION 101 : 101 101

STATION 101 : 101 101

STATION 101 : 101 101

| GROUPS | 101 | 101 | 101 | 101 |
|--------|-----|-----|-----|-----|
| 101    | 101 | 101 | 101 | 101 |
| 03-05  | 101 | 101 | 101 | 101 |
| 03-05  | 101 | 101 | 101 | 101 |
| 03-05  | 101 | 101 | 101 | 101 |
| 03-11  | 101 | 101 | 101 | 101 |
| 10-14  | 101 | 101 | 101 | 101 |
| 15-17  | 101 | 101 | 101 | 101 |
| 17-20  | 101 | 101 | 101 | 101 |
| 21-23  | 101 | 101 | 101 | 101 |
| ALL    | 101 | 101 | 101 | 101 |
| 101    | 101 | 101 | 101 | 101 |



OPERATING LOCATION NAME  
USARFAC, ASHEVILLE, NC

DATE OF ESTABLISHMENT  
10/11/1961

STATION NAME: 72000

STATION NAME: CLASS. 4-1-10

EST TO HQS: + 5

| HOURS<br>EST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>HRS | EST TO HQS | EST TO HQS |
|--------------|------|-----------------------|--------------|------------|------------|
| 00-02        | 10.5 | 10.511                | 930          | 10         | 5          |
| 03-05        | 10.5 | 10.571                | 970          | 10         | 5          |
| 06-07        | 17.1 | 10.554                | 910          | 10         | 5          |
| 08-11        | 20.9 | 10.177                | 930          | 10         | 5          |
| 12-14        | 24.5 | 9.349                 | 970          | 10         | 5          |
| 15-17        | 24.5 | 9.175                 | 930          | 10         | 5          |
| 18-20        | 20.5 | 9.502                 | 930          | 10         | 5          |
| 21-23        | 20.9 | 10.175                | 970          | 10         | 5          |
| ALL<br>HOURS | 21.1 | 10.221                | 7400         | 10         | 5          |

|              |      |        |      |      |    |
|--------------|------|--------|------|------|----|
| 00-02        | 23.7 | 9.560  | 970  | 10   | 5  |
| 03-05        | 22.1 | 10.543 | 970  | 10   | 5  |
| 06-09        | 21.5 | 10.323 | 970  | 10   | 5  |
| 09-11        | 25.1 | 9.655  | 970  | 10   | 5  |
| 12-14        | 24.1 | 9.550  | 970  | 10   | 5  |
| 15-17        | 22.3 | 9.305  | 970  | 10   | 5  |
| 18-20        | 25.2 | 9.605  | 970  | 10   | 5  |
| 21-23        | 24.5 | 9.302  | 970  | 10   | 5  |
| ALL<br>HOURS | 24.0 | 9.562  | 6791 | 2270 | 33 |

CLT HILL TEMPERATURE SUMMARY  
 1961-1962 SEASON

PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: JAN

MEAN TEMPERATURE OF HOURS WITH TEMPERATURES OBS. TOTAL  
 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 24:00

127 3 0 0 0 0 0 0 0 0 0 0 0 0

129 3 0 0 0 0 0 0 0 0 0 0 0 0

131 2 0 0 0 0 0 0 0 0 0 0 0 0

133 2 0 0 0 0 0 0 0 0 0 0 0 0

135 2 0 0 0 0 0 0 0 0 0 0 0 0

137 1 0 0 0 0 0 0 0 0 0 0 0 0

139 0 0 0 0 0 0 0 0 0 0 0 0 0

141 1 0 0 0 0 0 0 0 0 0 0 0 0

143 1 0 0 0 0 0 0 0 0 0 0 0 0

TOTAL: 66

145 0 0 0 0 0 0 0 0 0 0 0 0 0

147 0 0 0 0 0 0 0 0 0 0 0 0 0

149 0 0 0 0 0 0 0 0 0 0 0 0 0

151 0 0 0 0 0 0 0 0 0 0 0 0 0

153 7 0 0 0 0 0 0 0 0 0 0 0 0

155 0 0 0 0 0 0 0 0 0 0 0 0 0

157 0 0 0 0 0 0 0 0 0 0 0 0 0

159 0 0 0 0 0 0 0 0 0 0 0 0 0

161 33 0 0 0 0 0 0 0 0 0 0 0 0



OPERATIONS LOCALITY "A"  
USAFETAC, ANA-VILLAGE

NET ROUN TO PREVIOUS SUMMARY  
LOCALITY "A" SUMMARY

STATION NUMBER: 725053 STATION NAME: PEAS ARBON  
LST TO UTC: + 8

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS |     |    |
|--------------|------|-----------------------|--------------|-----|----|
| 00-02        | 26.5 | 6.011                 | 930          | 6.1 | 10 |
| 03-05        | 27.5 | 6.327                 | 930          | 6.1 |    |
| 06-08        | 27.7 | 6.433                 | 930          | 6.1 | 10 |
| 09-11        | 21.0 | 6.264                 | 930          | 6.1 | 10 |
| 12-14        | 34.2 | 6.863                 | 930          | 6.1 | 10 |
| 15-17        | 34.1 | 6.971                 | 930          | 6.1 | 10 |
| 18-20        | 31.0 | 7.070                 | 930          | 6.1 | 10 |
| 21-23        | 33.9 | 7.403                 | 930          | 6.1 | 10 |
| ALL<br>HOURS | 27.2 | 6.129                 | 7440         | 6.1 | 10 |

|              |      |       |      |     |    |
|--------------|------|-------|------|-----|----|
| 00-02        | 33.2 | 6.700 | 900  | 6.1 | 10 |
| 03-05        | 37.1 | 6.853 | 900  | 6.1 | 10 |
| 06-08        | 38.6 | 6.762 | 900  | 6.1 | 10 |
| 09-11        | 42.1 | 7.011 | 900  | 6.1 | 10 |
| 12-14        | 43.7 | 7.140 | 900  | 6.1 | 10 |
| 15-17        | 43.4 | 7.003 | 900  | 6.1 | 10 |
| 18-20        | 41.6 | 6.745 | 900  | 6.1 | 10 |
| 21-23        | 39.9 | 6.774 | 900  | 6.1 | 10 |
| ALL<br>HOURS | 40.5 | 7.245 | 7100 | 6.1 | 10 |



OPERATING LOCATION "A"  
HSAFAC, ASHVILLE, NC

NET FOLD TEMPERATURE SUMMARY  
FOR JULY 1965 (STATION)

STATION NUMBER: 725565

STATION NAME: P 45, W 33, N 79

41-17

EST TO DIC: 4.1

4201.3

| HOURS<br>EST | MEAN | STANDARD<br>DEVIATION | TRIAL | STATION NAME | EST TO DIC |
|--------------|------|-----------------------|-------|--------------|------------|
| 03-02        | 44.1 | 6.993                 | 930   |              | 473        |
| 03-05        | 47.0 | 7.197                 | 930   | 11           | 411        |
| 06-08        | 44.3 | 7.032                 | 930   | 4            | 407        |
| 09-11        | 52.0 | 7.233                 | 930   |              | 409        |
| 12-14        | 53.1 | 7.446                 | 930   |              | 441        |
| 15-17        | 53.1 | 7.378                 | 930   |              | 407        |
| 18-20        | 51.1 | 7.154                 | 930   |              | 407        |
| 21-23        | 52.0 | 7.033                 | 930   |              | 426        |
| ALL<br>HOURS | 50.6 | 7.527                 | 7437  |              | 407        |

|              |      |       |      |  |      |
|--------------|------|-------|------|--|------|
| 03-02        | 55.6 | 6.057 | 900  |  | 741  |
| 03-05        | 54.4 | 6.031 | 900  |  | 701  |
| 06-08        | 56.2 | 6.111 | 900  |  | 700  |
| 09-11        | 50.3 | 6.557 | 900  |  | 700  |
| 12-14        | 50.2 | 6.541 | 900  |  | 700  |
| 15-17        | 50.5 | 6.526 | 900  |  | 775  |
| 18-20        | 50.7 | 6.238 | 900  |  | 741  |
| 21-23        | 56.2 | 6.057 | 907  |  | 704  |
| ALL<br>HOURS | 53.0 | 6.552 | 7195 |  | 6902 |

# OF CHILD TEMPERATURE SUMMARY

1 JULY 1971 MATTERS

PERIOD OF RECORD: JUL 79 - JUL 80

MONTH: MAY

## STATION NUMBER OF RECORDS WITH TEMPERATURES AND TOTAL

LE 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

11 312 3 3 4 230

4 427 3 1 0 230

1 137 37 7 0 230

3 442 55 3 3 230

6 137 60 1 0 230

2 400 13 1 0 230

3 425 12 0 1 230

16 377 174 1 0 230

PERIOD: JUL

3 757 33 4 0 230

3 757 18 3 0 230

3 757 51 4 0 230

7 757 181 23 0 230

7 757 13 47 0 230

10 757 173 30 1 230

6 757 181 11 0 230

3 757 83 3 0 230

3 5502 313 138 3 7125

3 - 5 - 2 - 3

OPERATING LOCALITY "A"  
USAFETAG, ASHVILLE NC

NET TULSA PLANT WITH SAME  
FROM 11-15-54 TO 11-15-54

STATION NUMBER: 725055

STATION NAME: WAND AREA

LST TO UTC: + 5

.....  
HOURS MEAN STANDARD TOTAL  
LST DEVIATION OBS

00-02 60.2 5.511 930

03-05 61.1 5.793 930

06-08 63.3 5.355 920

09-11 65.7 5.595 920

12-14 67.7 5.727 930

15-17 67.3 5.557 930

18-20 66.5 5.472 930

21-23 63.5 5.374 930

ALL  
HOURS 63.7 5.525 7437

00-02 60.2 5.415 930

03-05 61.7 5.751 930

06-08 61.3 5.556 930

09-11 65.1 5.443 920

12-14 66.1 5.532 930

15-17 65.5 5.298 930

18-20 63.5 5.120 930

21-23 61.9 5.277 930

ALL  
HOURS 63.3 5.525 7437

WET BULB TEMPERATURE SUMMARY  
 JULY 1954

PERIOD OF RECORD: JUL 71 - JUL 72  
 UNIT: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
 54-56 56-57 57-58 58-59 59-60

0 110 217 21 0 450

0 35 137 5 0 237

0 22 235 33 0 310

0 20 471 151 2 644

0 235 335 297 15 672

0 21 10 154 1 326

0 2 434 123 0 559

0 226 271 43 0 540

0 733 2331 757 75 7897

UNIT: JUL

0 17 105 28 0 250

0 135 152 14 0 301

0 106 213 35 0 354

0 224 402 125 2 753

0 235 435 172 12 854

0 225 421 147 0 793

0 117 313 71 0 501

0 114 239 34 1 488

0 7264 2337 523 12 7539

1 - 5 - 2 - 4

OPERATING LOCATION: WAFB  
USAFETAC, ASHEVILLE, NC

PERIOD: 10/01/00 - 09/30/01  
FROM: 000001Z TO: 000001Z

STATION NUMBER: 725000

STATION NAME: BANGOR, ME  
LST TO UTC: +5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL | MEAN | STANDARD<br>DEVIATION | TOTAL |
|--------------|------|-----------------------|-------|------|-----------------------|-------|
| 00-02        | 53.6 | 7.563                 | 900   | 53.6 | 7.563                 | 900   |
| 03-05        | 52.3 | 7.921                 | 900   | 52.3 | 7.921                 | 900   |
| 06-08        | 53.4 | 7.753                 | 900   | 53.4 | 7.753                 | 900   |
| 09-11        | 54.1 | 7.135                 | 900   | 54.1 | 7.135                 | 900   |
| 12-14        | 50.7 | 7.042                 | 900   | 50.7 | 7.042                 | 900   |
| 15-17        | 52.1 | 7.957                 | 900   | 52.1 | 7.957                 | 900   |
| 18-20        | 54.6 | 7.124                 | 900   | 54.6 | 7.124                 | 900   |
| 21-23        | 53.2 | 7.280                 | 900   | 53.2 | 7.280                 | 900   |
| ALL<br>HOURS | 52.2 | 7.13                  | 7200  | 52.2 | 7.13                  | 7200  |

|              |      |       |      |      |       |      |
|--------------|------|-------|------|------|-------|------|
| 00-02        | 43.1 | 6.544 | 900  | 43.1 | 6.544 | 900  |
| 03-05        | 42.1 | 7.150 | 900  | 42.1 | 7.150 | 900  |
| 06-08        | 42.5 | 6.673 | 900  | 42.5 | 6.673 | 900  |
| 09-11        | 47.2 | 7.963 | 900  | 47.2 | 7.963 | 900  |
| 12-14        | 40.1 | 7.730 | 900  | 40.1 | 7.730 | 900  |
| 15-17        | 40.2 | 7.539 | 900  | 40.2 | 7.539 | 900  |
| 18-20        | 45.2 | 7.025 | 900  | 45.2 | 7.025 | 900  |
| 21-23        | 44.1 | 8.177 | 900  | 44.1 | 8.177 | 900  |
| ALL<br>HOURS | 45.3 | 6.544 | 7440 | 45.3 | 6.544 | 7440 |





OPERATING LOCATION: WAW  
USABETAC, AGISVILLE, TC

REF: 1025 12 00 1000 1000 1000  
1000 1000 1000 1000 1000

STATION NUMBER: 700000

STATION NAME: DEAS, ALBANY

STATION TYPE: 4-2

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL | STATION<br>TYPE | STATION<br>NAME |
|--------------|------|-----------------------|-------|-----------------|-----------------|
| 00-02        | 35.1 | 0.010                 | 000   | 000             | 000             |
| 03-05        | 35.3 | 0.134                 | 000   | 000             | 000             |
| 06-08        | 35.4 | 0.170                 | 000   | 000             | 000             |
| 09-11        | 35.5 | 0.157                 | 000   | 000             | 000             |
| 12-14        | 41.0 | 0.444                 | 000   | 000             | 000             |
| 15-17        | 40.0 | 0.440                 | 000   | 000             | 000             |
| 18-20        | 40.0 | 0.753                 | 000   | 000             | 000             |
| 21-23        | 35.0 | 0.010                 | 000   | 000             | 000             |
| ALL<br>HOURS | 37.7 | 0.100                 | 7100  | 000             | 000             |

|              |      |        |      |     |     |
|--------------|------|--------|------|-----|-----|
| 00-02        | 25.4 | 10.300 | 000  | 000 | 000 |
| 03-05        | 25.5 | 10.540 | 000  | 000 | 000 |
| 06-08        | 25.0 | 10.430 | 000  | 000 | 000 |
| 09-11        | 27.5 | 10.155 | 000  | 000 | 000 |
| 12-14        | 30.1 | 0.440  | 000  | 000 | 000 |
| 15-17        | 20.5 | 9.250  | 000  | 000 | 000 |
| 18-20        | 27.0 | 0.540  | 000  | 000 | 000 |
| 21-23        | 25.0 | 0.050  | 000  | 000 | 000 |
| ALL<br>HOURS | 27.4 | 10.120 | 7400 | 000 | 000 |

AT 1000 TEMPERATURE SUMMARY  
 JULY 1950

PERIOD: JUL 10 - JUL 14  
 STATION: 100

MEAN WINDS AT 1000 TEMPERATURES AT 1000 TOTAL  
 10 30 40 50 60 70 80 90 100

100 0 0 0 0 0 0 0 0

100 75 0 0 0 0 0 0 0

100 72 0 0 0 0 0 0 0

100 117 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

100 140 0 0 0 0 0 0 0

THE UNIVERSITY OF CHICAGO PRESS

STATION: JAL: 243. 4- 50  
 ALTITUDE: 45

A

# NET TOLL TEMPERATURE SUMMARY

1971 JULY OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 73 - JUN 74

MONTH: ALL

HEAD NUMBER OF HOURS WITH TEMPERATURES 800 F TOTAL

1- 32 5- 50 5- 67 5- 73 5- 80 8- 85

3-73 3553 432 50 0 10000

3-73 3553 432 25 3 10000

2-73 4021 557 74 0 10000

2-73 4700 1000 343 6 10000

2-73 5153 1413 421 24 10000

1-71 4415 1307 401 11 10000

2-73 4402 744 103 0 10000

3-73 4321 531 54 0 10000

2-7-7 50211 1010 1051 44 10000

1-5-2-1

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERIODIC TEMPERATURE SUMMARY  
FROM JULY 20 - 2011

STATION NUMBER: 725053

STATION NAME: PLANE AND NH  
LST TO UTC: + 5

DATE: 10/1/11

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OPS | MAX TEMP<br>20-27 | MIN TEMP<br>20-27 |
|--------------|------|-----------------------|--------------|-------------------|-------------------|
| 00-02        | 10.6 | 14.337                | 930          | 10                | 27                |
| 03-05        | 9.9  | 14.178                | 930          | 20                | 23                |
| 06-08        | 9.6  | 14.044                | 930          | 7                 | 13                |
| 09-11        | 11.3 | 14.040                | 930          | 20                | 2                 |
| 12-14        | 13.1 | 13.966                | 924          | 27                | 4                 |
| 15-17        | 13.2 | 14.035                | 930          | 2                 | 2                 |
| 18-20        | 12.4 | 14.135                | 930          | 2                 | 2                 |
| 21-23        | 11.6 | 14.366                | 930          | 2                 | 2                 |
| ALL<br>HOURS | 11.8 | 14.211                | 7429         | 30                | 2                 |

|              |      |        |      |    |    |
|--------------|------|--------|------|----|----|
| 00-02        | 14.7 | 14.212 | 947  | 20 | 20 |
| 03-05        | 14.6 | 14.11  | 947  | 20 | 20 |
| 06-08        | 13.4 | 14.043 | 947  | 20 | 21 |
| 09-11        | 15.6 | 14.187 | 949  | 20 | 20 |
| 12-14        | 15.3 | 13.962 | 947  | 23 | 21 |
| 15-17        | 15.9 | 13.964 | 947  | 22 | 22 |
| 18-20        | 15.1 | 14.164 | 949  | 20 | 27 |
| 21-23        | 14.7 | 14.229 | 947  | 20 | 20 |
| ALL<br>HOURS | 15.0 | 14.213 | 6721 | 22 | 20 |

1 - 5 - 3 - 1

# 1.8 POINT TEMPERATURE SUMMARY FROM AIRLY OBSERVATIONS

PERIOD OF RECORD: JUL 71 - JUN 72  
 MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
 LT 27 54 37 LT 55 55 65 41048

710 27 930 0 930

720 23 930 0 930

717 19 930 0 930

736 20 930 0 930

775 42 920 0 920

712 12 930 0 930

725 33 930 0 930

744 31 930 0 930

742 740 0 740

1.1: 1.1

650 62 840 0 840

613 52 840 0 840

613 51 840 0 840

651 43 840 0 840

633 1 840 0 840

642 72 840 0 840

650 67 840 0 840

635 64 840 0 840

5243 550 5743 0 5791

7 - 5 - 3 - 1

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

SEA POINT TEMPERATURE SUMMARY  
 FROM 0000Z 155 NOVEMBER 1955

STATION NUMBER: 726058

STATION NAME: PEASE AFB, NH  
 LST TO UTC: + 5

PERIOD:  
 START:  
 END:

| HOURS<br>LST | MEAN<br>TEMPERATURE | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>OBSERVATIONS | PERIOD |
|--------------|---------------------|-----------------------|--------------|--------------------------------|--------|
| 00-02        | 20.7                | 13.308                | 930          | 310                            | 75     |
| 03-05        | 20.1                | 13.530                | 930          | 310                            | 75     |
| 06-08        | 20.4                | 13.253                | 930          | 310                            | 75     |
| 09-11        | 22.0                | 14.373                | 930          | 310                            | 75     |
| 12-14        | 22.7                | 13.243                | 930          | 310                            | 75     |
| 15-17        | 22.5                | 12.749                | 930          | 310                            | 75     |
| 18-20        | 22.2                | 12.707                | 930          | 310                            | 75     |
| 21-23        | 21.9                | 12.977                | 930          | 310                            | 75     |
| ALL<br>HOURS | 21.5                | 13.357                | 7442         | 245                            | 100    |

| HOURS<br>LST | MEAN<br>TEMPERATURE | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>OBSERVATIONS | PERIOD |
|--------------|---------------------|-----------------------|--------------|--------------------------------|--------|
| 00-02        | 32.9                | 9.713                 | 900          | 300                            | 75     |
| 03-05        | 32.1                | 9.707                 | 900          | 300                            | 75     |
| 06-08        | 32.6                | 10.065                | 900          | 300                            | 75     |
| 09-11        | 33.3                | 11.160                | 900          | 300                            | 75     |
| 12-14        | 33.4                | 11.164                | 899          | 299                            | 75     |
| 15-17        | 33.7                | 10.905                | 899          | 299                            | 75     |
| 18-20        | 33.7                | 10.545                | 900          | 300                            | 75     |
| 21-23        | 33.7                | 10.161                | 900          | 300                            | 75     |
| ALL<br>HOURS | 33.3                | 10.473                | 7103         | 236                            | 100    |

DEEP POINT TEMPERATURE SUMMARY  
 FROM AIRLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
 LE 37 51 37 LT 55 GE 55 HOURS

609 6 930 0 436

607 75 930 0 330

600 6 930 0 436

584 120 930 0 436

584 120 930 0 436

575 115 930 0 436

575 117 929 0 436

573 93 928 0 422

606 7 122 7937 0 744

MONTH: APR

344 310 995 0 649

273 301 996 0 673

345 324 995 0 669

359 351 997 0 706

247 385 977 0 632

355 355 990 0 699

236 371 991 0 697

229 375 939 0 658

1974 2325 7115 0 7123



OPERATING LOCATION NAME  
USAFSTAC, ASH-VILLE 10

254 POINT TEMPERATURE - DAILY  
FROM JULY 1964 TO JULY 1965

STATION NUMBER: 726055

STATION NAME: PINE AFB MS  
LST TO UTC: + 5

0-100  
MONTH:

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>JRS | MEAN NUMBER OF DAYS<br>JULY 1964 JULY 1965 |
|--------------|------|-----------------------|--------------|--|
| 00-02        | 44.5 | 3.765                 | 930          | 10 7-1                                     |
| 03-05        | 43.7 | 3.715                 | 930          | 09 7-17                                    |
| 06-08        | 45.2 | 3.203                 | 930          | 07 7-16                                    |
| 09-11        | 45.5 | 10.293                | 930          | 01 7-16                                    |
| 12-14        | 45.5 | 10.523                | 930          | 03 7-17                                    |
| 15-17        | 46.7 | 10.554                | 929          | 07 7-11                                    |
| 18-20        | 44.7 | 10.000                | 930          | 03 7-17                                    |
| 21-23        | 45.7 | 9.513                 | 930          | 09 7-16                                    |
| ALL<br>HOURS | 45.2 | 3.200                 | 7439         | 03 7-16                                    |

| HOURS        | MEAN | STANDARD<br>DEVIATION | TOTAL<br>JRS | MEAN NUMBER OF DAYS<br>JULY 1964 JULY 1965 |
|--------------|------|-----------------------|--------------|--|
| 00-02        | 52.7 | 5.952                 | 900          | 0 7-7                                      |
| 03-05        | 52.1 | 6.200                 | 900          | 0 7-1                                      |
| 06-08        | 53.4 | 7.122                 | 900          | 0 7-1                                      |
| 09-11        | 53.7 | 9.423                 | 900          | 0 7-1                                      |
| 12-14        | 53.5 | 9.553                 | 900          | 0 7-17                                     |
| 15-17        | 53.4 | 9.250                 | 900          | 0 7-1                                      |
| 18-20        | 53.4 | 7.245                 | 900          | 0 7-1                                      |
| 21-23        | 53.2 | 7.261                 | 907          | 0 7-1                                      |
| ALL<br>HOURS | 53.2 | 7.752                 | 7135         | 0 7-17                                     |

WIND POINT TEMPERATURE - SUMMARY  
 ALL DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUL 74  
 MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES 95.0 ° F OR HIGHER

LE 27 51 37 LE 55 62 65 TOTAL 470.1

32 753 933 7 430

33 727 927 5 933

34 706 906 10 933

35 756 956 20 933

36 732 932 27 933

37 721 921 17 933

38 737 937 15 933

39 754 954 12 933

40 840 1040 110 792

MONTH: JUL

0 617 817 30 933

0 635 835 23 933

0 643 843 40 933

0 73 874 50 933

0 674 874 69 933

0 674 874 74 933

0 674 874 71 933

0 655 855 43 933

0 7546 4403 474 7125

OPERATING LOCATION: WAM  
USAFETAC, ASHVILLE NC

DEN POINT TEMPERATURE SUMMARY  
FROM 12 JULY 1965 UNTIL 1

STATION NUMBER: 725055

STATION NAME: PLEASANT  
LST TO UTC: + 5

DATE: 1  
TIME: 1

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL | MEAN MONTHLY TEMPERATURE<br>L 17 5 37 L |
|--------------|------|-----------------------|-------|---|
| 00-02        | 59.9 | 5.791                 | 930   | 59                                      |
| 03-05        | 59.2 | 5.835                 | 930   | 57                                      |
| 06-08        | 59.5 | 5.712                 | 924   | 58                                      |
| 09-11        | 61.7 | 7.557                 | 929   | 59                                      |
| 12-14        | 61.3 | 8.135                 | 930   | 59                                      |
| 15-17        | 61.1 | 7.755                 | 930   | 59                                      |
| 18-20        | 61.1 | 7.424                 | 930   | 59                                      |
| 21-23        | 59.5 | 8.758                 | 930   | 57                                      |
| ALL<br>HOURS | 59.7 | 7.552                 | 7437  | 58.5                                    |

|              |      |       |      |      |
|--------------|------|-------|------|------|
| 00-02        | 59.  | 7.303 | 930  | 58   |
| 03-05        | 57.9 | 7.514 | 930  | 58   |
| 06-08        | 59.0 | 7.500 | 930  | 58   |
| 09-11        | 59.5 | 8.183 | 929  | 58   |
| 12-14        | 59.2 | 8.687 | 930  | 58   |
| 15-17        | 59.3 | 8.523 | 930  | 58   |
| 18-20        | 59.7 | 7.794 | 930  | 58   |
| 21-23        | 59.3 | 7.305 | 930  | 58   |
| ALL<br>HOURS | 59.4 | 7.764 | 7439 | 58.2 |

# WIN POINT TEMPERATURE SUMMARY

FROM JULY OBSERVATIONS

PERIOD OF RECORD: JUL 70 - JUL 69  
MONTH: JUL

MEAN NUMBER OF GROUPS WITH TEMPERATURES DEG F TOTAL

LS 27 GS 37 LB 58 SC 65 438

0 929 212 251 992

0 927 253 231 930

0 926 147 272 945

0 923 170 353 946

0 928 221 370 919

0 929 222 346 936

0 925 197 336 938

0 924 192 232 938

0 7650 1329 2404 7437

MONTH: AUG

0 939 223 228 930

0 930 234 195 929

0 940 245 245 930

0 927 254 332 913

0 926 275 322 925

0 935 287 300 922

0 927 265 257 919

0 930 294 254 918

0 7425 2313 2107 7430

0 - 0 - 3 - 0

OPERATING LOCATION NAME  
USAFETAC, ASHVILLE, NC

DEWPOINT TEMPERATURE SUMMARY  
FOR 12 HOURS OBSERVATION

STATION NUMBER: 725055

STATION NAME: REAS- A-5 101  
LST TO HIC: + 5

DATE:  
TIME:

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN<br>L 07 07 17 | STANDARD<br>DEVIATION |
|--------------|------|-----------------------|--------------|--------------------|-----------------------|
| 00-02        | 51.0 | 3.534                 | 900          | 51.0               | 3.534                 |
| 03-05        | 49.3 | 3.280                 | 900          | 49.3               | 3.280                 |
| 06-08        | 50.6 | 3.991                 | 900          | 50.6               | 3.991                 |
| 09-11        | 52.9 | 3.235                 | 900          | 52.9               | 3.235                 |
| 12-14        | 52.7 | 3.522                 | 900          | 52.7               | 3.522                 |
| 15-17        | 52.5 | 3.315                 | 900          | 52.5               | 3.315                 |
| 18-20        | 53.4 | 3.353                 | 900          | 53.4               | 3.353                 |
| 21-23        | 51.7 | 3.509                 | 900          | 51.7               | 3.509                 |
| ALL<br>HOURS | 51.7 | 3.535                 | 7200         | 51.7               | 3.535                 |

|              |      |        |      |      |        |
|--------------|------|--------|------|------|--------|
| 00-02        | 32.3 | 10.564 | 930  | 32.3 | 10.564 |
| 03-05        | 33.4 | 10.552 | 930  | 33.4 | 10.552 |
| 06-08        | 35.7 | 10.534 | 930  | 35.7 | 10.534 |
| 09-11        | 40.5 | 11.052 | 930  | 40.5 | 11.052 |
| 12-14        | 40.8 | 11.267 | 930  | 40.8 | 11.267 |
| 15-17        | 40.6 | 11.322 | 930  | 40.6 | 11.322 |
| 18-20        | 40.3 | 10.672 | 930  | 40.3 | 10.672 |
| 21-23        | 39.7 | 10.440 | 930  | 39.7 | 10.440 |
| ALL<br>HOURS | 39.3 | 10.537 | 7440 | 39.3 | 10.537 |

114 POINT TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 77 - JUN 87  
 MONTH: SEP

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F. TOTAL HOURS |       |       |       |      |
|---|-------|-------|-------|------|
| LE 27   | GE 37 | LC 55 | GF 65 |      |
| 2   | 556   | 612   | 46    | 1216 |
| 4   | 537   | 547   | 45    | 1129 |
| 4   | 547   | 524   | 55    | 1126 |
| 5   | 552   | 554   | 47    | 1153 |
| 4   | 554   | 541   | 104   | 1200 |
| 4   | 554   | 554   | 95    | 1203 |
| 4   | 549   | 555   | 13    | 1117 |
| 3   | 552   | 553   | 42    | 1147 |
| 23  | 5527  | 5522  | 502   | 7451 |

| POINT 11 501 |      |      |    |      |
|--------------|------|------|----|------|
| 140          | 541  | 541  | 5  | 1132 |
| 141          | 533  | 540  | 7  | 1143 |
| 125          | 535  | 535  | 4  | 1139 |
| 111          | 547  | 522  | 4  | 1136 |
| 151          | 573  | 421  | 3  | 1130 |
| 135          | 579  | 530  | 1  | 1130 |
| 124          | 550  | 554  | 2  | 1126 |
| 122          | 555  | 574  | 2  | 1131 |
| 1047         | 4413 | 5355 | 30 | 7440 |

2 - 5 - 3 - 2

OPERATING LOCATION: WAM  
USAFETAG, ASHEVILLE NC

REPORTING TIME: 11:00 AM  
DATE: 11 JUL 74

STATION NUMBER: 726055

STATION NAME: PEARSON AFB

EST TO OLC: 6.5

| HOURS<br>LST | SEA  | STANDARD<br>DEVIATION | TOTAL | 11-11-74 | 11-12-74 |
|--------------|------|-----------------------|-------|----------|----------|
| 00-02        | 30.5 | 11.713                | 900   | 0.0      | 0.0      |
| 03-05        | 30.3 | 11.556                | 900   | 0.0      | 0.0      |
| 06-08        | 30.3 | 11.832                | 900   | 0.0      | 0.0      |
| 09-11        | 30.0 | 12.112                | 900   | 0.0      | 0.0      |
| 12-14        | 32.7 | 12.196                | 900   | 0.0      | 0.0      |
| 15-17        | 31.0 | 12.162                | 900   | 0.0      | 0.0      |
| 18-20        | 31.4 | 12.136                | 900   | 0.0      | 0.0      |
| 21-23        | 31.0 | 11.884                | 900   | 0.0      | 0.0      |
| ALL<br>HOURS | 31.3 | 12.024                | 7180  | 0.0      | 0.0      |

|              |      |        |      |     |     |
|--------------|------|--------|------|-----|-----|
| 00-02        | 19.0 | 14.080 | 900  | 0.0 | 0.0 |
| 03-05        | 19.0 | 14.000 | 900  | 0.0 | 0.0 |
| 06-08        | 19.4 | 13.731 | 900  | 0.0 | 0.0 |
| 09-11        | 19.5 | 13.725 | 900  | 0.0 | 0.0 |
| 12-14        | 20.1 | 13.675 | 900  | 0.0 | 0.0 |
| 15-17        | 19.0 | 13.767 | 900  | 0.0 | 0.0 |
| 18-20        | 19.4 | 13.636 | 900  | 0.0 | 0.0 |
| 21-23        | 19.3 | 13.656 | 900  | 0.0 | 0.0 |
| ALL<br>HOURS | 19.4 | 13.631 | 7440 | 0.0 | 0.0 |

POINT TEMPERATURE SUMMARY  
 JULY 1977

PERIOD OF RECORD: JUL 77 - JUL 77  
 MONTH: JUL

MAXIMUMS AT HOUSE WITH THERMISTERS ONLY TOTAL  
 11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103

11 27 37 55 68 103



1. THE STATE OF TEXAS, County of EL PASO, do hereby certify that JOSEPH A. GARCIA is the duly qualified and acting Sheriff of said County, and that he is the holder of the commission to said office for the term of four years, commencing on the 1st day of January, 1991, and expiring on the 1st day of January, 1995.

• •

1

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

A

POINT TEMPERATURE SUMMARY  
 DATA DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 74 - JUN 75  
 MONTH: ALL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
 LT 27 SE 37 LT 55 SE 55

5001 5755 5557 577 13456

5550 5525 5511 535 13254

5515 5575 5575 535 13557

5445 5554 5412 517 13557

5417 5543 5545 525 13337

5417 5511 5514 534 13557

5515 5555 5524 574 13555

5412 5545 5525 553 13556

5514 5555 5551 5525 5755

OPERATING LOCATION: WAW  
USAFPTAG, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
AS OF 30 JUL 73 051100Z

STATION NUMBER: 745000

STATION NAME: PEASE ABN MD  
LST ID UTC: + 5

4-1  
10174

HOURS

RELATIVE HOURS GREATER THAN 24 HOURS

| LST          | 1     | 10    | 30    | 40    | 50    | 60    | 7     | 10    |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 00-02        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 03-05        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 06-08        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 09-11        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 12-14        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 15-17        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 18-20        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 21-23        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ALL<br>HOURS | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

|              |       |       |       |       |       |       |       |       |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 00-02        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 03-05        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 06-08        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 09-11        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 12-14        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 15-17        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 18-20        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 21-23        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ALL<br>HOURS | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

RECORDING FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM GROUND OBSERVATIONS

ON PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: JAN

| RELATIVE HUMIDITY | 70"  | 75"  | 80" | MEAN | TOTAL OBS |
|-------------------|------|------|-----|------|-----------|
| 47.5              | 32.5 | 15.4 | 5.3 | 50.2 | 430       |
| 48.5              | 33.5 | 15.7 | 7.5 | 51.3 | 430       |
| 49.5              | 31.5 | 15.4 | 5.7 | 51.5 | 430       |
| 51.1              | 24.7 | 11.3 | 4.6 | 50.6 | 430       |
| 51.5              | 20.5 | 11.5 | 4.1 | 51.0 | 427       |
| 51.5              | 21.5 | 11.4 | 4.4 | 51.5 | 430       |
| 52.2              | 25.7 | 10.1 | 3.7 | 50.5 | 430       |
| 52.7              | 25.7 | 10.5 | 3.4 | 50.3 | 430       |
| 53.1              | 22.5 | 11.5 | 4.7 | 50.5 | 7-32      |

MONTH: FEB

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 47.4 | 37.5 | 15.7 | 5.2  | 52.2 | 440  |
| 48.5 | 35.5 | 16.5 | 10.5 | 55.2 | 440  |
| 49.5 | 35.5 | 17.1 | 10.7 | 54.5 | 440  |
| 50.2 | 26.5 | 17.3 | 5.3  | 57.1 | 440  |
| 50.7 | 22.5 | 15.9 | 5.5  | 51.5 | 440  |
| 50.7 | 24.7 | 15.7 | 5.5  | 51.3 | 440  |
| 51.5 | 24.1 | 15.2 | 5.0  | 54.0 | 440  |
| 52.5 | 23.1 | 11.7 | 10.7 | 59.5 | 440  |
| 53.7 | 31.2 | 20.5 | 5.1  | 59.5 | 6791 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE - NC

CUMULATIVE PERCENTAGE OF DUTY IN LOCAL  
AREA DURING 25 MONTHS

STATION NUMBER: 725055

STATION NAME: PLAST A-3 NH  
LST TO UTC: + 5

DATE  
1970

| HOJRS        | RELATIVE HUMIDITY GREAT- TIME OF DAY |       |      |      |      |      |      |      |
|--------------|--------------------------------------|-------|------|------|------|------|------|------|
| LST          | 100                                  | 200   | 300  | 400  | 500  | 600  | 700  | 800  |
| 00-02        | 100.0                                | 99.8  | 96.5 | 84.3 | 71.1 | 57.5 | 40.7 | 24.5 |
| 03-05        | 100.0                                | 100.0 | 96.3 | 88.3 | 76.3 | 65.2 | 42.4 | 27.9 |
| 06-08        | 100.0                                | 100.0 | 96.5 | 89.2 | 79.6 | 68.1 | 43.8 | 27.9 |
| 09-11        | 100.0                                | 98.6  | 87.3 | 72.3 | 58.5 | 42.3 | 26.5 | 14.7 |
| 12-14        | 100.0                                | 96.6  | 77.2 | 61.7 | 43.1 | 32.2 | 23.6 | 15.0 |
| 15-17        | 100.0                                | 94.1  | 79.5 | 65.4 | 43.5 | 33.2 | 22.5 | 14.0 |
| 18-20        | 100.0                                | 93.7  | 77.5 | 70.2 | 50.9 | 40.2 | 30.0 | 18.0 |
| 21-23        | 100.0                                | 90.5  | 83.7 | 61.5 | 45.2 | 33.4 | 27.5 | 20.0 |
| ALL<br>HOJRS | 100.0                                | 98.4  | 83.5 | 70.5 | 52.7 | 40.4 | 30.7 | 20.0 |

|              |       |       |      |      |      |      |      |      |
|--------------|-------|-------|------|------|------|------|------|------|
| 00-02        | 100.0 | 100.0 | 99.2 | 85.2 | 69.2 | 56.5 | 39.2 | 24.0 |
| 03-05        | 100.0 | 100.0 | 96.5 | 86.5 | 77.7 | 71.5 | 52.7 | 31.0 |
| 06-08        | 100.0 | 100.0 | 93.5 | 81.8 | 61.2 | 50.5 | 32.5 | 18.1 |
| 09-11        | 100.0 | 99.5  | 80.2 | 75.5 | 59.4 | 47.1 | 34.5 | 22.3 |
| 12-14        | 100.0 | 87.5  | 65.3 | 57.4 | 42.5 | 31.2 | 23.5 | 14.1 |
| 15-17        | 100.0 | 87.5  | 66.2 | 70.7 | 55.2 | 42.5 | 34.0 | 21.7 |
| 18-20        | 100.0 | 86.9  | 83.1 | 62.4 | 59.1 | 57.7 | 44.2 | 24.7 |
| 21-23        | 100.0 | 80.5  | 77.9 | 66.1 | 77.3 | 67.5 | 52.2 | 38.4 |
| ALL<br>HOJRS | 100.0 | 90.1  | 83.9 | 73.1 | 71.2 | 65.5 | 46.5 | 30.7 |

# INCIDENTAL FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY 64-66 HOURLY OBSERVATIONS

STATION: 442 PERIOD OF RECORD: JUL 70 - JUN 71  
 MONTH: 442

VALUES LESS THAN OR EQUAL TO

|   | 60   | 70   | 80   | 90   | MEAN | TOTAL OBS |
|---|------|------|------|------|------|-----------|
| 1 | 67.5 | 40.5 | 24.5 | 9.5  | 53.0 | 930       |
| 2 | 67.7 | 42.4 | 27.3 | 11.3 | 54.5 | 930       |
| 3 | 68.3 | 42.8 | 27.8 | 11.8 | 54.4 | 930       |
| 4 | 62.3 | 34.3 | 19.7 | 6.7  | 50.1 | 930       |
| 5 | 70.7 | 33.4 | 14.5 | 5.2  | 51.2 | 930       |
| 6 | 64.6 | 22.0 | 14.5 | 6.2  | 41.3 | 930       |
| 7 | 64.7 | 30.0 | 17.0 | 7.4  | 47.0 | 930       |
| 8 | 60.4 | 37.5 | 22.2 | 6.7  | 51.2 | 930       |
| 9 | 64.6 | 34.7 | 20.2 | 6.4  | 51.2 | 930       |

MONTH: 442

|   |      |      |      |      |      |      |
|---|------|------|------|------|------|------|
| 1 | 74.5 | 50.2 | 32.7 | 15.7 | 72.2 | 930  |
| 2 | 77.0 | 52.7 | 31.0 | 15.7 | 73.3 | 930  |
| 3 | 71.5 | 52.3 | 30.1 | 15.1 | 69.5 | 930  |
| 4 | 67.1 | 34.5 | 23.3 | 10.4 | 50.5 | 930  |
| 5 | 41.3 | 30.5 | 11.1 | 6.2  | 31.1 | 930  |
| 6 | 44.5 | 34.0 | 20.2 | 7.5  | 35.3 | 930  |
| 7 | 57.7 | 44.2 | 24.7 | 11.4 | 63.0 | 930  |
| 8 | 57.4 | 52.4 | 38.4 | 15.7 | 61.7 | 930  |
| 9 | 64.5 | 44.5 | 30.2 | 12.2 | 68.7 | 7190 |

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE, NC

CUMULATIVE PERCENTAGE RELATIVE HUMIDITY AT 1000-00  
FROM JULY 1, 1961, TO JULY 31, 1961

STATION NUMBER: 725765

STATION NAME: PLANE AT 1000  
LST TO UTC: + 5

DATE: 10/1/61  
TIME: 101148

HOURS

RELATIVE HUMIDITY DATA - 1 DAY PER HOUR IN

| LST          | 100   | 99    | 98    | 97    | 96   | 95   | 94   | 93   | 92   |
|--------------|-------|-------|-------|-------|------|------|------|------|------|
| 00-02        | 100.0 | 100.0 | 99.9  | 99.4  | 94.6 | 86.0 | 72.3 | 56.7 | 34.0 |
| 03-05        | 100.0 | 100.0 | 100.0 | 100.0 | 97.7 | 90.0 | 79.2 | 63.0 | 33.0 |
| 06-08        | 100.0 | 100.0 | 99.5  | 97.0  | 89.9 | 78.0 | 63.0 | 44.0 | 20.0 |
| 09-11        | 100.0 | 99.7  | 99.0  | 92.5  | 84.6 | 70.9 | 55.3 | 38.0 | 10.0 |
| 12-14        | 100.0 | 99.6  | 91.7  | 79.5  | 67.6 | 52.0 | 39.0 | 20.4 | 10.0 |
| 15-17        | 100.0 | 99.1  | 90.0  | 72.0  | 60.0 | 44.0 | 32.0 | 13.0 | 1.0  |
| 18-20        | 100.0 | 99.0  | 85.4  | 67.3  | 58.0 | 41.0 | 26.0 | 11.7 | 1.0  |
| 21-23        | 100.0 | 100.0 | 99.2  | 96.7  | 86.5 | 75.0 | 61.0 | 46.0 | 20.0 |
| ALL<br>HOURS | 100.0 | 99.4  | 99.0  | 97.4  | 90.0 | 76.1 | 62.0 | 46.0 | 20.0 |

|              |       |       |       |       |      |      |      |      |      |
|--------------|-------|-------|-------|-------|------|------|------|------|------|
| 00-02        | 100.0 | 100.0 | 100.0 | 99.0  | 90.4 | 84.0 | 72.0 | 56.1 | 34.0 |
| 03-05        | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 90.0 | 75.1 | 58.0 | 30.0 |
| 06-08        | 100.0 | 100.0 | 100.0 | 99.7  | 88.0 | 70.1 | 57.0 | 47.0 | 20.0 |
| 09-11        | 100.0 | 100.0 | 99.0  | 91.0  | 79.0 | 60.0 | 49.0 | 37.0 | 10.0 |
| 12-14        | 100.0 | 100.0 | 97.0  | 77.4  | 63.1 | 49.3 | 39.1 | 20.0 | 10.0 |
| 15-17        | 100.0 | 100.0 | 96.4  | 79.3  | 67.0 | 51.0 | 31.0 | 11.1 | 1.0  |
| 18-20        | 100.0 | 100.0 | 99.3  | 72.3  | 60.0 | 42.0 | 24.0 | 10.0 | 10.0 |
| 21-23        | 100.0 | 100.0 | 100.0 | 99.0  | 95.3 | 86.0 | 74.0 | 60.7 | 21.0 |
| ALL<br>HOURS | 100.0 | 100.0 | 99.1  | 92.4  | 81.0 | 69.4 | 53.3 | 33.0 | 10.0 |

MINOR IASST FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 FROM DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 73 - JUN 74  
 MONTH: MAY

PERIOD: MAY 20 - JUNE 11

800 700 600 500 400 TOTAL OBS

64.0 72.3 64.0 29.8 72.1 930

7.2 3.0 40.2 53.0 33.0 81.3 930

7.0 33.0 40.0 22.0 70.0 930

40.0 30.0 20.0 10.0 61.0 930

40.0 30.0 20.0 11.1 57.1 930

40.0 32.0 20.0 10.0 50.0 920

61.0 40.0 51.7 17.0 60.0 930

70.0 61.0 30.0 24.0 73.0 930

60.0 52.0 30.0 20.0 70.0 900

PERIOD: JUN

64.0 72.0 60.0 20.0 30.0 930

7.0 0.0 0.0 30.0 30.0 900

3.0 47.0 47.0 22.0 70.0 900

40.0 30.0 27.0 13.0 63.0 930

30.0 30.0 20.0 10.0 57.0 930

61.0 31.0 21.0 10.0 50.0 930

60.0 44.0 30.0 14.0 67.0 930

40.0 64.0 40.0 21.0 70.0 937

60.0 30.0 30.0 14.0 70.0 910



OPERATING LOCATION NAME  
USAFSTAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF RECORDS  
RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

STATION NUMBER: 725355

STATION NAME: PLAS. 275 00  
LST TO UTC: + 5

STATION  
UNIT:

HOURS

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

| LST       | 100   | 99    | 95    | 90    | 80   | 70   | 60   | 50   | 40   |
|-----------|-------|-------|-------|-------|------|------|------|------|------|
| 00-02     | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 95.7 | 89.0 | 74.4 | 47.1 |
| 03-05     | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 94.2 | 81.6 | 73.2 | 47.1 |
| 06-08     | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 92.3 | 79.1 | 72.7 | 47.1 |
| 09-11     | 100.0 | 100.0 | 99.3  | 95.2  | 91.1 | 80.4 | 69.0 | 61.5 | 47.1 |
| 12-14     | 100.0 | 100.0 | 99.0  | 95.7  | 84.4 | 65.1 | 55.1 | 49.2 | 47.1 |
| 15-17     | 100.0 | 100.0 | 97.3  | 93.9  | 87.5 | 77.5 | 69.7 | 64.1 | 47.1 |
| 18-20     | 100.0 | 100.0 | 99.7  | 95.1  | 85.3 | 75.4 | 64.7 | 61.1 | 47.1 |
| 21-23     | 100.0 | 100.0 | 100.0 | 99.4  | 97.3 | 90.7 | 71.5 | 64.1 | 47.1 |
| ALL HOURS | 100.0 | 100.0 | 99.7  | 95.5  | 90.7 | 76.1 | 69.5 | 60.5 | 47.1 |

|           |       |       |       |       |      |      |      |      |      |
|-----------|-------|-------|-------|-------|------|------|------|------|------|
| 00-02     | 100.0 | 100.0 | 100.0 | 99.9  | 99.7 | 94.1 | 82.4 | 74.1 | 47.1 |
| 03-05     | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 91.7 | 84.6 | 70.1 | 47.1 |
| 06-08     | 100.0 | 100.0 | 100.0 | 99.0  | 93.5 | 84.7 | 77.2 | 65.1 | 47.1 |
| 09-11     | 100.0 | 100.0 | 100.0 | 95.2  | 89.3 | 71.4 | 65.0 | 54.1 | 47.1 |
| 12-14     | 100.0 | 99.3  | 99.0  | 91.9  | 74.7 | 59.1 | 50.1 | 49.2 | 47.1 |
| 15-17     | 100.0 | 99.7  | 93.7  | 91.5  | 75.3 | 52.2 | 41.5 | 35.7 | 47.1 |
| 18-20     | 100.0 | 100.0 | 99.7  | 97.7  | 90.4 | 83.3 | 62.7 | 61.4 | 47.1 |
| 21-23     | 100.0 | 100.0 | 100.0 | 99.7  | 98.5 | 94.3 | 84.3 | 74.0 | 47.1 |
| ALL HOURS | 100.0 | 99.9  | 99.7  | 97.4  | 91.1 | 80.7 | 69.2 | 60.4 | 47.1 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
IN JULY 1954 - 1955

PERIOD OF RECORD: JUL 77 - JUL 78  
MONTH: JUL

| PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY |      |      |      |      |      |           |
|---|------|------|------|------|------|-----------|
|   | 50%  | 70%  | 90%  | 95%  | MEAN | TOTAL PER |
| 77  | 81.7 | 65.5 | 54.3 | 35.9 | 82.7 | 740       |
| 78  | 81.2 | 81.6 | 74.2 | 42.4 | 80.2 | 830       |
| 79  | 82.1 | 70.1 | 52.3 | 24.2 | 73.7 | 82        |
| 80  | 80.4 | 83.0 | 71.5 | 18.1 | 85.4 | 822       |
| 81  | 80.1 | 85.4 | 72.2 | 5.3  | 84.0 | 830       |
| 82  | 87.5 | 80.5 | 74.2 | 5.7  | 80.6 | 830       |
| 83  | 88.1 | 81.2 | 81.2 | 11.2 | 80.6 | 800       |
| 84  | 80.7 | 71.1 | 44.1 | 27.2 | 77.3 | 680       |
| 85  | 74.1 | 72.5 | 80.4 | 31.4 | 77.2 | 7437      |

MONTH: AUG

|    | 50%  | 70%  | 90%  | 95%  | MEAN | TOTAL PER |
|----|------|------|------|------|------|-----------|
| 77 | 81.1 | 82.4 | 74.1 | 36.2 | 84.3 | 810       |
| 78 | 81.7 | 84.2 | 70.2 | 42.5 | 80.0 | 800       |
| 79 | 80.7 | 87.2 | 80.2 | 30.2 | 82.2 | 830       |
| 80 | 81.4 | 85.0 | 74.1 | 9.0  | 80.5 | 820       |
| 81 | 81.1 | 80.1 | 74.2 | 4.0  | 81.5 | 840       |
| 82 | 81.2 | 81.6 | 75.7 | 5.3  | 82.0 | 820       |
| 83 | 81.2 | 82.7 | 81.4 | 12.4 | 72.5 | 830       |
| 84 | 84.4 | 84.3 | 81.0 | 22.5 | 80.2 | 830       |
| 85 | 80.1 | 86.2 | 45.4 | 23.1 | 80.2 | 7439      |



PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 DURING ONLY BASE RATINGS

STATION: ..... PERIOD OF RECORD: JUL 79 - JUN 80  
 MONTH: SEP

| .....                    |      |      |      |      |           |
|--------------------------|------|------|------|------|-----------|
| GREATER THAN OR EQUAL TO |      |      |      |      |           |
| 60                       | 70   | 80   | 90   | MEAN | TOTAL OBS |
| 95.7                     | 87.3 | 82.2 | 84.0 | 81.5 | 300       |
| 77.3                     | 78.7 | 80.0 | 78.4 | 78.1 | 300       |
| 68.9                     | 72.2 | 69.7 | 68.1 | 69.3 | 300       |
| 58.7                     | 66.8 | 68.5 | 66.3 | 67.5 | 300       |
| 48.8                     | 58.8 | 54.1 | 56.6 | 55.5 | 300       |
| 38.7                     | 55.7 | 57.5 | 76.8 | 58.3 | 300       |
| 31.7                     | 50.0 | 46.2 | 48.9 | 48.5 | 300       |
| 25.6                     | 48.2 | 42.7 | 44.7 | 45.1 | 300       |
| 22.7                     | 42.3 | 41.2 | 48.4 | 43.3 | 300       |
| .....                    |      |      |      |      |           |

MONTH: OCT

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 95.2 | 75.2 | 67.7 | 22.4 | 77.4 | 300  |
| 88.7 | 76.2 | 66.2 | 22.5 | 75.3 | 300  |
| 80.6 | 71.2 | 67.1 | 21.4 | 77.2 | 300  |
| 68.7 | 66.2 | 24.2 | 11.1 | 64.1 | 300  |
| 57.6 | 58.2 | 19.6 | 11.1 | 55.1 | 300  |
| 48.9 | 36.0 | 14.2 | 1.6  | 39.5 | 300  |
| 42.7 | 48.1 | 31.4 | 12.2 | 39.2 | 300  |
| 36.9 | 40.4 | 41.2 | 17.2 | 40.0 | 300  |
| 28.3 | 53.3 | 34.6 | 15.1 | 44.6 | 7600 |

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE, NC

CUMULATIVE PERCENTAGE OF CUMULATIVE  
PERCENTAGE OF CUMULATIVE

STATION NUMBER: 726085

STATION NAME: DEASE, A. C. 194

LST ID: 910: + 5

STATION ID: 726085

HOURS

RELATIVE PERCENTAGE OF CUMULATIVE

| LST          | 10"   | 20"   | 30"  | 40"  | 50"  | 60"  | 70"  | 80"  | 90"  |
|--------------|-------|-------|------|------|------|------|------|------|------|
| 00-02        | 100.0 | 100.0 | 99.9 | 99.1 | 97.5 | 76.2 | 55.2 | 32.3 | 10.0 |
| 03-05        | 100.0 | 100.0 | 99.9 | 95.1 | 81.5 | 77.3 | 55.7 | 30.1 | 10.0 |
| 06-08        | 100.0 | 100.0 | 99.7 | 91.9 | 81.7 | 77.1 | 71.5 | 57.7 | 10.0 |
| 09-11        | 100.0 | 100.0 | 99.1 | 92.1 | 77.1 | 79.5 | 81.4 | 70.3 | 10.0 |
| 12-14        | 100.0 | 100.0 | 98.1 | 90.9 | 80.4 | 82.9 | 81.3 | 70.3 | 10.0 |
| 15-17        | 100.0 | 100.0 | 96.4 | 83.7 | 69.7 | 87.1 | 84.5 | 70.3 | 10.0 |
| 18-20        | 100.0 | 100.0 | 96.1 | 83.6 | 70.3 | 79.3 | 86.1 | 70.3 | 10.0 |
| 21-23        | 100.0 | 100.0 | 93.3 | 87.0 | 66.3 | 77.7 | 81.4 | 70.3 | 10.0 |
| ALL<br>HOURS | 100.0 | 100.0 | 93.2 | 82.8 | 66.2 | 69.3 | 85.7 | 81.0 | 10.0 |

|              |       |       |      |      |      |      |      |      |      |
|--------------|-------|-------|------|------|------|------|------|------|------|
| 00-02        | 100.0 | 94.9  | 93.9 | 92.3 | 77.9 | 61.5 | 44.1 | 24.5 | 10.0 |
| 03-05        | 100.0 | 100.0 | 95.0 | 94.3 | 82.3 | 67.3 | 47.3 | 24.7 | 10.0 |
| 06-08        | 100.0 | 100.0 | 97.0 | 94.5 | 80.2 | 61.1 | 41.1 | 23.7 | 10.0 |
| 09-11        | 100.0 | 100.0 | 97.5 | 95.7 | 79.2 | 61.1 | 36.5 | 22.2 | 10.0 |
| 12-14        | 100.0 | 100.0 | 97.4 | 95.2 | 84.2 | 82.7 | 27.3 | 18.7 | 10.0 |
| 15-17        | 100.0 | 100.0 | 91.4 | 78.5 | 69.5 | 39.5 | 23.1 | 15.1 | 10.0 |
| 18-20        | 100.0 | 100.0 | 87.2 | 86.5 | 69.7 | 46.3 | 30.9 | 22.7 | 10.0 |
| 21-23        | 100.0 | 100.0 | 93.0 | 91.2 | 73.2 | 64.3 | 37.5 | 24.2 | 10.0 |
| ALL<br>HOURS | 100.0 | 100.0 | 95.7 | 87.0 | 70.8 | 65.3 | 37.5 | 24.1 | 10.0 |



OPERATING LOCATION: WAW  
 0500-1000, 1500-1700

CUMULATIVE PERCENTAGE: 100.00  
 100.00

STATION: 1000-1700

STATION: 1000-1700  
 1000-1700

1000-1700

REMARKS

EST

1000

1000

RELATIVE HUMIDITY: 100.00

1000

1000

1000

1000

1000

1000

1000

08-10

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

08-09

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

08-10

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

09-11

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

12-14

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

15-17

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

15-17

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

21-23

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

ALL

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 1950-1959 JULY 1950 - JULY 1959

PERCENT OF MONTH: JUL 70 - JUN 71  
 PERIOD: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

| PERCENT | PERCENT | PERCENT | PERCENT | PERCENT | TOTAL PERCENT |
|---------|---------|---------|---------|---------|---------------|
| 77.2    | 63.7    | 44.4    | 20.7    | 73.4    | 10950         |
| 74.1    | 67.2    | 45.     | 20.2    | 73.1    | 10950         |
| 70.1    | 67.5    | 40.2    | 1.2     | 72.5    | 10957         |
| 68.7    | 68.5    | 22.     | 10.2    | 69.2    | 10937         |
| 68.1    | 68.1    | 1.2     | 2.1     | 68.9    | 10937         |
| 63.2    | 68.7    | 11.7    | 7.1     | 7.1     | 10957         |
| 60.1    | 63.3    | 11.     | 11.     | 63.1    | 11.2          |
| 51.1    | 60.1    | 17.2    | 10.4    | 70.1    | 109.4         |
| 41.1    | 57.7    | 41.1    | 16.1    | 50.4    | 17.1          |







PRISONER SUMMARY

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOUSLEY OBSERVATION

- BY EIGHT 3-HOUR STANDARD SYNOPTIC PERIODS (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL YEARS COMBINED).
- BY YEAR (ALL YEARS AND ALL YEARS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE.

ATMOSPHERIC SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.033456 PSI

PAGE 1

PREPARED SUMMARY

IT IS TAKEN FROM HOUSLY OBSERVATIONS. IT IS SUMMARIZED:

AND SYSTEMIC (PERIODIC) TIME PERIODS FOR EACH MONTH

AND ALL (HOURS OF THE DAY).

AND ALL (HOURS OF THE DAY).

AND (MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION  
IS NOT AVAILABLE TO ALL REPORTING SITES.

AND (MEANS, STANDARD DEVIATIONS, AND

AND (MEANS, STANDARD DEVIATIONS, AND

AND (MEANS, STANDARD DEVIATIONS, AND ONLY (45).

OPERATING LOCATION: MAW  
USAFETAG, ADONVILLE, NC

SEA LEVEL BAROMETER IN MILLI  
METER HOURLY OBSERVATIONS

STATION NUMBER: 72505

STATION NAME: MASE 72505

LST TIME: + 2

.....  
HOURS STAS  
(LST)

|           |          | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    |
|-----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0100      | PLAN     | 1015.3 | 1015.9 | 1015.3 | 1013.4 | 1014.5 | 1015.5 | 1014.2 | 1014.2 |
|           | SD       | 11.424 | 10.923 | 10.230 | 9.274  | 9.337  | 9.222  | 9.337  | 9.274  |
|           | INT. OBS | 31     | 23     | 31     | 30     | 31     | 30     | 31     | 31     |
| 0400      | PLAN     | 1013.4 | 1015.7 | 1014.7 | 1013.2 | 1014.7 | 1013.2 | 1014.2 | 1014.2 |
|           | SD       | 11.375 | 10.913 | 10.462 | 9.351  | 9.415  | 9.222  | 9.274  | 9.274  |
|           | INT. OBS | 31     | 23     | 31     | 30     | 31     | 30     | 31     | 31     |
| 0700      | PLAN     | 1015.1 | 1017.5 | 1015.5 | 1014.2 | 1015.4 | 1015.5 | 1015.5 | 1015.5 |
|           | SD       | 11.419 | 9.955  | 11.591 | 9.134  | 9.337  | 9.337  | 9.337  | 9.337  |
|           | INT. OBS | 30     | 23     | 31     | 30     | 31     | 30     | 31     | 31     |
| 1000      | PLAN     | 1015.7 | 1017.5 | 1015.5 | 1014.3 | 1017.2 | 1015.7 | 1015.5 | 1015.5 |
|           | SD       | 11.325 | 10.323 | 10.730 | 9.312  | 9.134  | 9.337  | 9.337  | 9.337  |
|           | INT. OBS | 31     | 23     | 31     | 30     | 31     | 30     | 31     | 31     |
| 1300      | PLAN     | 1016.5 | 1015.5 | 1014.5 | 1013.7 | 1014.3 | 1012.5 | 1014.1 | 1014.1 |
|           | SD       | 11.307 | 9.314  | 10.592 | 9.332  | 9.337  | 9.337  | 9.337  | 9.337  |
|           | INT. OBS | 31     | 23     | 31     | 30     | 31     | 30     | 31     | 31     |
| 1600      | PLAN     | 1014.9 | 1015.5 | 1013.7 | 1012.3 | 1017.5 | 1013.2 | 1014.6 | 1014.6 |
|           | SD       | 11.145 | 9.333  | 10.730 | 9.545  | 9.337  | 9.337  | 9.337  | 9.337  |
|           | INT. OBS | 31     | 23     | 31     | 30     | 31     | 30     | 31     | 31     |
| 1900      | PLAN     | 1015.4 | 1016.7 | 1014.3 | 1013.0 | 1016.1 | 1013.5 | 1014.6 | 1014.6 |
|           | SD       | 11.323 | 9.312  | 9.734  | 9.337  | 9.337  | 9.337  | 9.337  | 9.337  |
|           | INT. OBS | 31     | 23     | 31     | 30     | 31     | 30     | 31     | 31     |
| 2200      | PLAN     | 1015.3 | 1017.2 | 1015.4 | 1016.5 | 1015.7 | 1013.4 | 1014.7 | 1014.7 |
|           | SD       | 11.731 | 9.314  | 10.730 | 9.724  | 9.337  | 9.337  | 9.337  | 9.337  |
|           | INT. OBS | 31     | 23     | 31     | 30     | 31     | 30     | 31     | 31     |
| ALL HOURS | PLAN     | 1015.4 | 1015.7 | 1014.2 | 1013.4 | 1014.5 | 1013.1 | 1014.2 | 1014.2 |
|           | SD       | 11.375 | 9.952  | 10.230 | 9.274  | 9.337  | 9.337  | 9.337  | 9.337  |
|           | INT. OBS | 30.75  | 22.4   | 31.0   | 30.0   | 31.0   | 30.0   | 31.0   | 31.0   |

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUN 80

|    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | NOV    | DEC    | ANN    |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1  | 1016.5 | 1013.0 | 1014.2 | 1015.3 | 1017.7 | 1016.2 | 1017.1 | 1016.7 | 1015.7 |
| 2  | 6.837  | 6.811  | 6.853  | 6.809  | 6.845  | 6.935  | 10.235 | 10.469 | 6.741  |
| 3  | 310    | 350    | 310    | 310    | 300    | 310    | 300    | 310    | 3653   |
| 4  | 1014.5 | 1013.0 | 1014.2 | 1015.7 | 1017.6 | 1016.2 | 1017.5 | 1016.7 | 1015.6 |
| 5  | 6.810  | 6.822  | 6.822  | 6.822  | 6.867  | 6.972  | 10.440 | 10.214 | 6.831  |
| 6  | 310    | 350    | 310    | 310    | 300    | 310    | 300    | 310    | 3653   |
| 7  | 1015.4 | 1013.0 | 1015.0 | 1015.8 | 1013.5 | 1012.2 | 1017.5 | 1017.4 | 1016.4 |
| 8  | 6.830  | 6.847  | 6.827  | 6.839  | 6.717  | 6.831  | 10.477 | 10.543 | 6.866  |
| 9  | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 10 | 1017.2 | 1016.7 | 1014.0 | 1015.8 | 1012.5 | 1016.1 | 1017.7 | 1017.1 | 1016.5 |
| 11 | 6.820  | 6.805  | 6.822  | 6.813  | 6.815  | 6.852  | 10.524 | 10.515 | 6.991  |
| 12 | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3653   |
| 13 | 1014.3 | 1012.5 | 1014.1 | 1015.7 | 1017.3 | 1017.5 | 1018.0 | 1016.2 | 1015.1 |
| 14 | 6.810  | 6.817  | 6.803  | 6.815  | 6.821  | 6.819  | 10.473 | 10.500 | 6.811  |
| 15 | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3653   |
| 16 | 1012.5 | 1012.2 | 1013.4 | 1014.9 | 1015.5 | 1017.4 | 1016.1 | 1016.5 | 1014.7 |
| 17 | 6.825  | 6.810  | 6.844  | 6.825  | 6.845  | 6.838  | 10.136 | 10.021 | 6.853  |
| 18 | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3650   |
| 19 | 1016.1 | 1013.0 | 1015.5 | 1015.4 | 1017.2 | 1017.1 | 1016.7 | 1017.2 | 1015.4 |
| 20 | 6.821  | 6.825  | 6.825  | 6.801  | 6.835  | 6.881  | 6.825  | 6.824  | 6.827  |
| 21 | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 22 | 1015.4 | 1013.4 | 1014.3 | 1015.0 | 1017.0 | 1016.7 | 1017.1 | 1017.2 | 1015.9 |
| 23 | 6.815  | 6.873  | 6.813  | 6.800  | 6.804  | 6.812  | 6.855  | 10.155 | 6.812  |
| 24 | 310    | 300    | 310    | 310    | 300    | 310    | 300    | 310    | 3652   |
| 25 | 1016.8 | 1015.1 | 1014.2 | 1015.0 | 1017.0 | 1016.3 | 1016.4 | 1017.0 | 1015.7 |
| 26 | 6.815  | 6.814  | 6.811  | 6.831  | 6.755  | 6.814  | 10.323 | 10.222 | 6.775  |
| 27 | 310    | 300    | 300    | 300    | 290    | 300    | 290    | 300    | 29230  |

OPERATING LOCATION: WAW  
USAFETAC, ASHVILLE NC

ALTIMETER SETTINGS IN INCHES  
PRESSURE CORRECTIONS

STATION NUMBER: 726055

STATION NAME: PLEASANT VALLEY  
LST TO UTC: + 5

STATION

| HOURS<br>(LST) | STATS    | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   |
|----------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0100           | MEAN     | 29.98 | 30.02 | 29.93 | 29.92 | 29.95 | 29.91 | 29.95 | 29.97 |
|                | SD       | .333  | .296  | .302  | .254  | .187  | .179  | .181  | .171  |
|                | TOT CORR | 310   | 283   | 310   | 300   | 310   | 303   | 310   | 311   |
| 0400           | MEAN     | 29.98 | 30.02 | 29.96 | 29.92 | 29.95 | 29.91 | 29.95 | 29.97 |
|                | SD       | .341  | .295  | .323  | .267  | .184  | .173  | .184  | .171  |
|                | TOT CORR | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 311   |
| 0700           | MEAN     | 30.00 | 30.04 | 29.97 | 29.94 | 29.93 | 29.94 | 29.97 | 29.97 |
|                | SD       | .308  | .233  | .315  | .259  | .193  | .137  | .160  | .171  |
|                | TOT CORR | 310   | 283   | 310   | 300   | 310   | 307   | 311   | 311   |
| 1000           | MEAN     | 30.02 | 30.04 | 29.99 | 29.94 | 29.93 | 29.93 | 29.97 | 29.97 |
|                | SD       | .336  | .295  | .317  | .267  | .185  | .171  | .180  | .171  |
|                | TOT CORR | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 311   |
| 1300           | MEAN     | 29.95 | 30.00 | 29.95 | 29.91 | 29.97 | 29.91 | 29.94 | 29.97 |
|                | SD       | .335  | .281  | .309  | .262  | .186  | .162  | .181  | .171  |
|                | TOT CORR | 310   | 283   | 310   | 300   | 310   | 307   | 310   | 311   |
| 1600           | MEAN     | 29.95 | 29.99 | 29.93 | 29.90 | 29.93 | 29.90 | 29.92 | 29.97 |
|                | SD       | .321  | .297  | .277  | .248  | .191  | .160  | .160  | .171  |
|                | TOT CORR | 310   | 283   | 310   | 300   | 309   | 306   | 310   | 311   |
| 1900           | MEAN     | 29.98 | 30.02 | 29.95 | 29.91 | 29.95 | 29.93 | 29.95 | 29.97 |
|                | SD       | .336  | .290  | .290  | .252  | .188  | .130  | .166  | .171  |
|                | TOT CORR | 310   | 283   | 310   | 300   | 310   | 300   | 310   | 311   |
| 2200           | MEAN     | 29.93 | 30.03 | 29.93 | 29.93 | 29.97 | 29.97 | 29.97 | 29.97 |
|                | SD       | .332  | .292  | .295  | .267  | .184  | .172  | .174  | .171  |
|                | TOT CORR | 310   | 283   | 310   | 300   | 310   | 306   | 310   | 311   |
| ALL<br>HOURS   | MEAN     | 29.98 | 30.02 | 29.97 | 29.92 | 29.95 | 29.91 | 29.95 | 29.97 |
|                | SD       | .330  | .294  | .305  | .262  | .184  | .160  | .170  | .171  |
|                | TOT CORR | 295   | 284   | 290   | 290   | 299   | 280   | 290   | 291   |

# ALTIMETER SETTING IN INCHES BASED UPON OBSERVATIONS

PERIOD OF RECORD: JUL 79 - JUL 84

|    | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1  | 29.95 | 29.91 | 29.95 | 30.00 | 30.05 | 30.07 | 30.03 | 30.02 | 29.99 |
| 2  | .157  | .172  | .158  | .147  | .193  | .265  | .321  | .225  | .257  |
| 3  | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 4  | 29.95 | 29.91 | 29.95 | 29.99 | 30.05 | 30.06 | 30.03 | 30.02 | 29.99 |
| 5  | .154  | .173  | .157  | .149  | .194  | .267  | .307  | .210  | .250  |
| 6  | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 7  | 29.95 | 29.94 | 29.97 | 30.02 | 30.07 | 30.09 | 30.04 | 30.04 | 30.01 |
| 8  | .153  | .137  | .152  | .151  | .198  | .259  | .309  | .311  | .252  |
| 9  | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 10 | 29.95 | 29.94 | 29.97 | 30.02 | 30.07 | 30.09 | 30.05 | 30.04 | 30.01 |
| 11 | .155  | .191  | .155  | .173  | .201  | .273  | .313  | .213  | .264  |
| 12 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 13 | 29.95 | 29.91 | 29.94 | 29.99 | 30.04 | 30.07 | 30.00 | 30.00 | 29.97 |
| 14 | .159  | .162  | .151  | .164  | .201  | .271  | .330  | .305  | .250  |
| 15 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 16 | 29.93 | 29.90 | 29.92 | 29.97 | 30.01 | 30.04 | 30.00 | 30.01 | 29.96 |
| 17 | .154  | .150  | .150  | .151  | .204  | .257  | .293  | .305  | .255  |
| 18 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3052  |
| 19 | 29.95 | 29.93 | 29.93 | 29.95 | 29.94 | 30.07 | 30.03 | 30.03 | 29.99 |
| 20 | .158  | .143  | .154  | .142  | .193  | .250  | .290  | .232  | .252  |
| 21 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3052  |
| 22 | 29.97 | 29.93 | 29.95 | 30.00 | 30.05 | 30.07 | 30.05 | 30.03 | 30.00 |
| 23 | .156  | .173  | .174  | .147  | .193  | .273  | .290  | .253  | .254  |
| 24 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3052  |
| 25 | 29.95 | 29.91 | 29.95 | 30.00 | 30.05 | 30.07 | 30.03 | 30.03 | 29.99 |
| 26 | .152  | .157  | .159  | .151  | .199  | .270  | .300  | .250  | .250  |
| 27 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3052  |



OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE, NC

STATION PROCESSING: 13, 17, 20  
100% DAILY OBSERVATIONS

STATION NUMBER: 726055

STATION NAME: WEASC AFB, NC

UNIT

LST TO UTC: + 5

| HOURS<br>(LST) | STATS    | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   |
|----------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0100           | MEAN     | 29.85 | 29.91 | 29.85 | 29.81 | 29.85 | 29.79 | 29.83 | 29.77 |
|                | SD       | .335  | .292  | .298  | .261  | .174  | .175  | .184  | .17   |
|                | TOT. OBS | 310   | 293   | 310   | 300   | 210   | 300   | 310   | 310   |
| 0400           | MEAN     | 29.86 | 29.90 | 29.85 | 29.85 | 29.84 | 29.79 | 29.83 | 29.77 |
|                | SD       | .327  | .291  | .304  | .253  | .175  | .179  | .188  | .17   |
|                | TOT. OBS | 310   | 293   | 310   | 300   | 210   | 300   | 310   | 310   |
| 0700           | MEAN     | 29.90 | 29.92 | 29.87 | 29.82 | 29.87 | 29.82 | 29.86 | 29.79 |
|                | SD       | .338  | .290  | .311  | .267  | .179  | .175  | .190  | .17   |
|                | TOT. OBS | 310   | 293   | 310   | 300   | 210   | 300   | 310   | 310   |
| 1000           | MEAN     | 29.90 | 29.93 | 29.87 | 29.85 | 29.85 | 29.79 | 29.83 | 29.77 |
|                | SD       | .332  | .291  | .313  | .263  | .171  | .177  | .188  | .17   |
|                | TOT. OBS | 310   | 293   | 310   | 300   | 210   | 300   | 310   | 310   |
| 1300           | MEAN     | 29.94 | 29.95 | 29.83 | 29.79 | 29.84 | 29.79 | 29.83 | 29.77 |
|                | SD       | .330  | .291  | .305  | .262  | .170  | .176  | .187  | .17   |
|                | TOT. OBS | 310   | 293   | 310   | 300   | 210   | 300   | 310   | 310   |
| 1600           | MEAN     | 29.86 | 29.87 | 29.82 | 29.71 | 29.81 | 29.75 | 29.81 | 29.77 |
|                | SD       | .326  | .295  | .293  | .281  | .171  | .175  | .197  | .17   |
|                | TOT. OBS | 310   | 293   | 310   | 300   | 210   | 300   | 310   | 310   |
| 1900           | MEAN     | 29.85 | 29.89 | 29.85 | 29.80 | 29.83 | 29.74 | 29.81 | 29.77 |
|                | SD       | .325  | .295  | .285  | .240  | .171  | .175  | .188  | .17   |
|                | TOT. OBS | 310   | 293   | 310   | 300   | 210   | 300   | 310   | 310   |
| 2200           | MEAN     | 29.87 | 29.91 | 29.85 | 29.81 | 29.85 | 29.81 | 29.86 | 29.77 |
|                | SD       | .320  | .293  | .291  | .253  | .171  | .175  | .187  | .17   |
|                | TOT. OBS | 310   | 293   | 310   | 300   | 210   | 300   | 310   | 310   |
| ALL            | MEAN     | 29.85 | 29.90 | 29.85 | 29.81 | 29.85 | 29.80 | 29.82 | 29.77 |
| ADDP           | SD       | .251  | .200  | .301  | .258  | .137  | .132  | .165  | .17   |
|                | TOT. OBS | 1400  | 2264  | 2400  | 2400  | 2470  | 2230  | 2400  | 2400  |

STATION PRESSURE IN INCHES  
HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 78 - JUL 83

|    | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1  | 29.86 | 29.80 | 29.83 | 29.84 | 29.93 | 29.95 | 29.92 | 29.90 | 29.87 |
| 2  | .174  | .175  | .184  | .143  | .187  | .252  | .222  | .334  | .254  |
| 3  | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 4  | 29.84 | 29.80 | 29.83 | 29.84 | 29.93 | 29.95 | 29.91 | 29.89 | 29.87 |
| 5  | .175  | .177  | .185  | .182  | .190  | .253  | .303  | .375  | .255  |
| 6  | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 7  | 29.87 | 29.82 | 29.86 | 29.88 | 29.95 | 29.97 | 29.93 | 29.92 | 29.89 |
| 8  | .172  | .183  | .184  | .142  | .195  | .256  | .305  | .307  | .258  |
| 9  | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 10 | 29.85 | 29.80 | 29.85 | 29.86 | 29.95 | 29.97 | 29.95 | 29.94 | 29.90 |
| 11 | .181  | .177  | .182  | .152  | .197  | .270  | .329  | .377  | .259  |
| 12 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 13 | 29.84 | 29.79 | 29.83 | 29.84 | 29.92 | 29.93 | 29.90 | 29.89 | 29.85 |
| 14 | .184  | .185  | .187  | .150  | .195  | .257  | .304  | .301  | .260  |
| 15 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3053  |
| 16 | 29.84 | 29.79 | 29.81 | 29.83 | 29.90 | 29.92 | 29.90 | 29.89 | 29.85 |
| 17 | .185  | .183  | .187  | .147  | .200  | .253  | .304  | .301  | .251  |
| 18 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3052  |
| 19 | 29.85 | 29.79 | 29.82 | 29.87 | 29.92 | 29.95 | 29.91 | 29.90 | 29.87 |
| 20 | .181  | .175  | .188  | .144  | .194  | .254  | .270  | .302  | .249  |
| 21 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3052  |
| 22 | 29.85 | 29.81 | 29.84 | 29.84 | 29.94 | 29.95 | 29.91 | 29.90 | 29.85 |
| 23 | .184  | .178  | .185  | .143  | .187  | .250  | .283  | .305  | .250  |
| 24 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 3052  |
| 25 | 29.84 | 29.80 | 29.82 | 29.84 | 29.93 | 29.95 | 29.91 | 29.90 | 29.87 |
| 26 | .187  | .182  | .188  | .147  | .195  | .250  | .294  | .301  | .255  |
| 27 | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 310   | 30221 |



| DATE       | DESCRIPTION     | AMOUNT | BALANCE |
|------------|-----------------|--------|---------|
| 1960-01-01 | INITIAL DEPOSIT | 100.00 | 100.00  |
| 1960-01-15 | PAYROLL         | 50.00  | 50.00   |
| 1960-01-30 | RENT            | 25.00  | 25.00   |
| 1960-02-15 | SALES           | 75.00  | 100.00  |
| 1960-02-28 | EXPENSES        | 30.00  | 70.00   |
| 1960-03-15 | SALES           | 60.00  | 130.00  |
| 1960-03-31 | RENT            | 25.00  | 105.00  |
| 1960-04-15 | SALES           | 80.00  | 185.00  |
| 1960-04-30 | EXPENSES        | 40.00  | 145.00  |
| 1960-05-15 | SALES           | 90.00  | 235.00  |
| 1960-05-31 | RENT            | 25.00  | 210.00  |
| 1960-06-15 | SALES           | 70.00  | 280.00  |
| 1960-06-30 | EXPENSES        | 35.00  | 245.00  |
| 1960-07-15 | SALES           | 85.00  | 330.00  |
| 1960-07-31 | RENT            | 25.00  | 305.00  |
| 1960-08-15 | SALES           | 95.00  | 400.00  |
| 1960-08-31 | EXPENSES        | 45.00  | 355.00  |
| 1960-09-15 | SALES           | 100.00 | 455.00  |
| 1960-09-30 | RENT            | 25.00  | 430.00  |
| 1960-10-15 | SALES           | 110.00 | 540.00  |
| 1960-10-31 | EXPENSES        | 50.00  | 490.00  |
| 1960-11-15 | SALES           | 120.00 | 610.00  |
| 1960-11-30 | RENT            | 25.00  | 585.00  |
| 1960-12-15 | SALES           | 130.00 | 715.00  |
| 1960-12-31 | EXPENSES        | 55.00  | 660.00  |
| 1961-01-01 | INITIAL DEPOSIT | 100.00 | 760.00  |

2. UNITED STATES.

THESE TABLES ARE COMPILED FROM THE 1950 CENSUS OF THE UNITED STATES (U.S. DEPARTMENT OF COMMERCE, BUREAU OF ECONOMIC ANALYSIS).

- BY COLOR (WHITE, NEGRO, OTHER).
- BY SEX (ALL YEARS AND ALL YEARS 1950).
- BY AGE (ALL YEARS AND ALL YEARS 1950).
- BY Y. A. (ALL YEARS AND ALL YEARS 1950).
- BY Y. A. (ALL YEARS AND ALL YEARS 1950).

THESE TABLES GIVE A SUMMARY OF THE DATA FOR THE UNITED STATES AND THE DISTRICT OF COLUMBIA. THE DATA ARE FOR THE YEAR 1950, AND THE DATA FOR THE YEAR 1950 ARE FOR THE YEAR 1950.

THE FIRST COLUMN IS THE NAME OF THE STATE OR DISTRICT OF COLUMBIA. THE SECOND COLUMN IS THE YEAR 1950. THE THIRD COLUMN IS THE YEAR 1950.

THE FOURTH COLUMN IS THE NAME OF THE STATE OR DISTRICT OF COLUMBIA. THE FIFTH COLUMN IS THE YEAR 1950. THE SIXTH COLUMN IS THE YEAR 1950.

RESERVATION OF RIGHTS RESERVED BY THE U.S. DEPARTMENT OF COMMERCE.

VA 14825-1008 AND CONTAINS THE NAME OF THE STATE OR DISTRICT OF COLUMBIA. THE NAME OF THE STATE OR DISTRICT OF COLUMBIA IS THE NAME OF THE STATE OR DISTRICT OF COLUMBIA.

A TOTAL OF 100 VARIOUS STATES IS INCLUDED.

PAGE 2

2-12-68 10:00 AM

TO: SAC, NEW YORK (100-100000) (P)  
FROM: SAC, NEW YORK (100-100000) (P)

SUBJECT: JAMES EARL RAY (A); (C) (100-100000) (P)

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68.

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68.

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68.

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68.

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68. (P)  
RE: NEW YORK TELETYPE TO BUREAU, 1-24-68. (P)

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68.

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68. (P)  
RE: NEW YORK TELETYPE TO BUREAU, 1-24-68. (P)

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68. (P)

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68. (P)

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68.

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68. (P)

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68. (P)

RE: NEW YORK TELETYPE TO BUREAU, 1-24-68.

OPERATIONAL STATUS "A"  
USAF-140, APOWILL 10

PLANNED TIME TO VICTORY 10,000, 10,000, 10,000  
10,000, 10,000, 10,000

STATION NUMBER: 25000

STATION NAME: OAS 140  
EST TO JFC: 4

CATEGORY A: ANY CHIEF OF VICTORY (10,000)

CATEGORY B: HIGHEST VICTORY (10,000)

TIME (LST)

0000 - 0200

0200 - 0400

SPEED (KTS)

0.15 0.20 0.25 0.3

0.15 0.20 0.25 0.3

CATEGORY A

0.1 0.2 0.3 0.4

0.1 0.2 0.3 0.4

CATEGORY B

0.1 0.2 0.3 0.4

0.1 0.2 0.3 0.4

TIME (LST)

1200 - 1400

1400 - 1600

SPEED (KTS)

0.15 0.20 0.25 0.3

0.15 0.20 0.25 0.3

CATEGORY A

0.1 0.2 0.3 0.4

0.1 0.2 0.3 0.4

CATEGORY B

0.1 0.2 0.3 0.4

0.1 0.2 0.3 0.4

TIME (LST)

0600 - 0800

SPEED KTS

0.15 0.20 0.25 0.3

CATEGORY A

0.1 0.2 0.3 0.4

CATEGORY B

0.1 0.2 0.3 0.4

3 - 2 - 1

A

STATION: 17000 HENDON ST. ALBUQUERQUE  
DATE: JAN 17 1964

MOISTURE: 100-100

WIND: 10-20 KNOTS  
DIRECTION: 100-110  
TEMP: 100-110

WIND: 10-20 KNOTS

WIND: 10-20 KNOTS

| 100-110 |     |     |     | 100-110 |     |     |     | 100-110 |     |     |     |
|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |

| 100-110 |     |     |     | 100-110 |     |     |     | 100-110 |     |     |     |
|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |

| 100-110 |     |     |     | 100-110 |     |     |     |
|---------|-----|-----|-----|---------|-----|-----|-----|
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |
| 100     | 100 | 100 | 100 | 100     | 100 | 100 | 100 |

3-2-1



OPERATING LICENSE: "A"  
USAF/AFSC, AFMVIC 10

PERCENTAGE: 85% (BY 17-000-100-1)  
100% (BY 17-000-100-1)

STATION NUMBER: 210055

STATION NAME: STATION NAME  
LST TO HIC: 4-5

CATEGORY 4: ANY CHILDS IN VICINITY (ONLY)

CATEGORY 2: HIGHEST PLANS AND AT (ONLY)

TIME (LST) 0000 - 0200 1300 - 1500  
SPEED (KTS) 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00  
CATEGORY 1 . . . . .  
CATEGORY 2 0.3 0.2 0.1 0 0.1 0.2 0.3 0.4 0.5 0.6

TIME (LST) 1200 - 1400 1500 - 1700  
SPEED (KTS) 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00  
CATEGORY 1 1.1 .1 . . . . 1.3 . . . . 1.1  
CATEGORY 2 0.2 0.2 1.1 0.7 0.4 0.7 0.4 0.1 0.2

TIME (LST) 0800 - 1000  
SPEED KIL 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00  
CATEGORY 1 1.2 .1 . . . . 1.3 . . . .  
CATEGORY 2 0.7 0.2 . . . . 0.4

1. PRELIMINARY INFORMATION OF CLASSIFICATION  
2. PRELIMINARY INFORMATION OF CLASSIFICATION

3. PRELIMINARY INFORMATION OF CLASSIFICATION

4. PRELIMINARY INFORMATION OF CLASSIFICATION  
5. PRELIMINARY INFORMATION OF CLASSIFICATION

6. PRELIMINARY INFORMATION OF CLASSIFICATION

7. PRELIMINARY INFORMATION OF CLASSIFICATION

|  |     |     |     |  |     |     |     |   |     |     |     |
|--|-----|-----|-----|--|-----|-----|-----|---|-----|-----|-----|
| 8. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     | 9. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     | 10. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     |
| 1.1  | 1.2 | 1.3 | 1.4 | 1.5  | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |
| 1.1  | 1.2 | 1.3 | 1.4 | 1.5  | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |
| 1.1  | 1.2 | 1.3 | 1.4 | 1.5  | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |

|   |     |     |     |   |     |     |     |   |     |     |     |
|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|
| 11. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     | 12. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     | 13. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     |
| 1.1   | 1.2 | 1.3 | 1.4 | 1.5   | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |
| 1.1   | 1.2 | 1.3 | 1.4 | 1.5   | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |
| 1.1   | 1.2 | 1.3 | 1.4 | 1.5   | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |

|   |     |     |     |   |     |     |     |   |     |     |     |
|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|
| 14. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     | 15. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     | 16. PRELIMINARY INFORMATION OF CLASSIFICATION |     |     |     |
| 1.1   | 1.2 | 1.3 | 1.4 | 1.5   | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |
| 1.1   | 1.2 | 1.3 | 1.4 | 1.5   | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |
| 1.1   | 1.2 | 1.3 | 1.4 | 1.5   | 1.6 | 1.7 | 1.8 | 1.9   | 2.0 | 2.1 | 2.2 |

OPERATIVE LOCATION "A"  
USAFETAC, APO WHEELER

RECEIVED AT APO WHEELER 100000Z APR 68  
FROM: 100000Z APR 68

STATION NUMBER: 722000

STATION NAME: DEAD  
LST TO JTC + 1

CATEGORY A: ANY OTHERS WITHIN 1000 YDS

CATEGORY B: SUBJECT 1000 YDS FROM 1000 YDS

TIME (LST)

1000 - 1200

1200 - 1400

SPEED (KTS)

0-15 16-20 21-25 26-30

0-15 16-20 21-25 26-30

31-35 36-40

CATEGORY A

1.0 .1 1.0

1.0 .1 1.0

1.0 .1

CATEGORY B

1.0 1.0 .1 1.0

1.0 1.0 .1 1.0

1.0 1.0 .1

TIME (LST)

1200 - 1400

1400 - 1600

SPEED (KTS)

0-15 16-20 21-25 26-30

0-15 16-20 21-25 26-30

31-35 36-40

CATEGORY A

1.0 .1 1.0

1.0 .1 1.0

1.0 .1

CATEGORY B

1.0 1.0 .1 1.0

1.0 1.0 .1 1.0

1.0 1.0 .1

TIME (LST)

1600 - 1800

SPEED KTS

0-15 16-20 21-25 26-30

CATEGORY A

1.0 .1 1.0

CATEGORY B

1.0 1.0 .1 1.0

AGENCY OF OCCUPANCY OF OBSERVATIONS  
 FROM SUPPLY AND DEMAND

AGENCY OF OCCUPANCY OF OBSERVATIONS: 10-14

AGENCY OF OCCUPANCY OF OBSERVATIONS: 10-14  
 AGENCY OF OCCUPANCY OF OBSERVATIONS: 10-14

AGENCY OF OCCUPANCY OF OBSERVATIONS: 10-14

AGENCY OF OCCUPANCY OF OBSERVATIONS: 10-14

| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |
| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |

| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |
| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |

| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |
| 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 | 10-14 |

[illegible]

STATION NAME: LAS VEGAS  
EST. TO JTC: 4

GALLERY 1: HIGHEST FLOOR - 2nd FLOOR - 1000

1990

1

•

•

100 - 100

!

•

•

•

000000 - 000000

•

1

10

3 - 2 - 4

OFFICE OF SCIENCE AND TECHNOLOGY  
WASHINGTON, D.C. 20545

ADDITIONAL INFORMATION: 10-10

DATE OF REPORT: 10-10-10  
PAGE: 10

RESEARCH VISIBILITY (ONLY 10-10)

RESEARCH VISIBILITY (ONLY 10-10) (10-10-10)

| 10-10-10 | 10-10-10 | 10-10-10 |
|----------|----------|----------|
| 10-10-10 | 10-10-10 | 10-10-10 |
| 10-10-10 | 10-10-10 | 10-10-10 |
| 10-10-10 | 10-10-10 | 10-10-10 |

| 10-10-10 | 10-10-10 | 10-10-10 |
|----------|----------|----------|
| 10-10-10 | 10-10-10 | 10-10-10 |
| 10-10-10 | 10-10-10 | 10-10-10 |
| 10-10-10 | 10-10-10 | 10-10-10 |

| 10-10-10 | 10-10-10 | 10-10-10 |
|----------|----------|----------|
| 10-10-10 | 10-10-10 | 10-10-10 |
| 10-10-10 | 10-10-10 | 10-10-10 |
| 10-10-10 | 10-10-10 | 10-10-10 |

OPERATING LOCATION "AW"  
USAF TAC, ANGLEVILLE

PERCENTAGE 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000

STATION ID: 21 72 380 STATION NAME: 21 72 380  
1ST FLOOR: 4 1

CATEGORY A: 100 100 100 100 100 100 100 100 100 100 100 100

CATEGORY B: 100 100 100 100 100 100 100 100 100 100 100 100

TIME (LST) 1000 - 1200  
SPEED (KTS) 100 100 100 100 100 100 100 100 100 100 100 100  
CATEGORY A .7 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1  
CATEGORY B 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

TIME (LST) 1200 - 1400  
SPEED (KTS) 100 100 100 100 100 100 100 100 100 100 100 100  
CATEGORY A .7 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1  
CATEGORY B 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

TIME (LST) 1400 - 1600  
SPEED (KTS) 100 100 100 100 100 100 100 100 100 100 100 100  
CATEGORY A .7 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1  
CATEGORY B 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

MONTHLY RECORD OF OBSERVATIONS  
1 JULY 1951, 1951

WAGNER'S JOURNAL: 1951-52

PERIOD OF OBSERVATION: 1 JUL 51 - JUL 52  
STATION: 1951

.....  
VISIBILITY (MILES) (ONLY)

.....  
.....  
.....

| DATE     | TIME | WIND | TEMP | HUMID | WIND | TEMP | HUMID |
|----------|------|------|------|-------|------|------|-------|
| 1 JUL 51 | 0800 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 1200 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 1600 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 2000 | 10   | 75   | 75    | 10   | 75   | 75    |

| DATE     | TIME | WIND | TEMP | HUMID | WIND | TEMP | HUMID |
|----------|------|------|------|-------|------|------|-------|
| 1 JUL 51 | 0800 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 1200 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 1600 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 2000 | 10   | 75   | 75    | 10   | 75   | 75    |

| DATE     | TIME | WIND | TEMP | HUMID | WIND | TEMP | HUMID |
|----------|------|------|------|-------|------|------|-------|
| 1 JUL 51 | 0800 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 1200 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 1600 | 10   | 75   | 75    | 10   | 75   | 75    |
| 1 JUL 51 | 2000 | 10   | 75   | 75    | 10   | 75   | 75    |



OPERATING LOCATION: "M"  
USAFIELD, ARIZONA

RECEIVED: 11/11/66 10:00 AM  
11/11/66 10:00 AM

STATION: 720000 SERIAL: 11/11/66  
LST: 11/11/66

CATEGORY: 11/11/66 10:00 AM

CATEGORY: 11/11/66 10:00 AM

TIME (LST) 10:00 - 12:00  
SPEED (KTS) 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3  
CATEGORY: .1  
CATEGORY: .1 .1 1.0 .1 .1 .1 .1 .1 .1

TIME (LST) 12:00 - 14:00  
SPEED (KTS) 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3  
CATEGORY: .1  
CATEGORY: .1 .1 .1 1.0 .1 .1 .1 .1 .1 .1

TIME (LST) 14:00 - 16:00  
SPEED (KTS) 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3 11.3  
CATEGORY: .1  
CATEGORY: .1 .1 .1 .1 .1 .1 .1 .1 .1 .1

EMERGENCY OF OCCURRENCE OF OBSERVATIONS  
AND ONLY OBSERVATIONS

MAGNETIC POLARITY READING: 100-100

PERIOD OF RECORD: JUL 71 - JUL 71  
UNIT: JUN

UNIT OF VISIBILITY (ONLY OBS ONLY)

UNIT OF VISIBILITY (ONLY OBS ONLY)

| 1000 - 1100 |      |      |      | 1100 - 1200 |      |      |      | 1200 - 1300 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 1000        | 1100 | 1200 | 1300 | 1000        | 1100 | 1200 | 1300 | 1000        | 1100 | 1200 | 1300 |
| 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  |
| 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  |

| 1400 - 1500 |      |      |      | 1500 - 1600 |      |      |      | 1600 - 1700 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 1400        | 1500 | 1600 | 1700 | 1400        | 1500 | 1600 | 1700 | 1400        | 1500 | 1600 | 1700 |
| 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  |
| 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  |

| 1800 - 1900 |      |      |      | 1900 - 2000 |      |      |      | 2000 - 2100 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 1800        | 1900 | 2000 | 2100 | 1800        | 1900 | 2000 | 2100 | 1800        | 1900 | 2000 | 2100 |
| 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  |
| 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  |

OPERATING LOCATION: WAM  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE IN CATEGORY  
FROM 1200 TO 1500 HOURS

STATION NUMBER: 705055

STATION NAME: PEASE AFB, NH  
LST TO UTC: + 5

CATEGORY A: ANY CHILDS IN VISIBILITY CATEGORY 1

CATEGORY B: HIGHEST WIND REPORTED WINDSPEED

TIME (LST) 0000 - 0200 0300 - 0500  
SPEED (KTS) 0-15 16-25 26-35 36-45 46-55 56-65 66-75 76-85 86-95 96-105  
CATEGORY A .00 .00 .00 .00 .00 .00 .00 .00 .00 .00  
CATEGORY B .1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

TIME (LST) 1200 - 1400 1500 - 1700  
SPEED (KTS) 0-15 16-25 26-35 36-45 46-55 56-65 66-75 76-85 86-95 96-105  
CATEGORY A .00 .00 .00 .00 .00 .00 .00 .00 .00 .00  
CATEGORY B 0.2 .0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

TIME (LST) 0600 - 0800  
SPEED KTS 0-15 16-25 26-35 36-45 46-55 56-65 66-75 76-85 86-95 96-105  
CATEGORY A .1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0  
CATEGORY B 1.0 .0 .0 .0 .0 .0 .0 .0 .0 .0

6-12-73

A

EMERGENCY AIR OCCURRENCE IN CRESSBAMBS  
- 100% VISIBILITY

MAGNETIC RUNWAY HEADING: 180-340

PERIOD OF RECORD: JUL 73 - JUL 80  
MONTH: JUL

COPIES OF VISIBILITY (HOURS PER MONTH)

COPIES OF VISIBILITY (HOURS PER MONTH) (COPIES + SPECIALS)

| 0000 - 0400 |      |      |      | 0500 - 0900 |      |      |      | 1000 - 1400 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 0000        | 0100 | 0200 | 0300 | 0500        | 0600 | 0700 | 0800 | 1000        | 1100 | 1200 | 1300 |
| 0.0         | 0.0  | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0  |
| 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  |

| 1500 - 1900 |      |      |      | 2000 - 2400 |      |      |      | 2500 - 2900 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 1500        | 1600 | 1700 | 1800 | 2000        | 2100 | 2200 | 2300 | 2500        | 2600 | 2700 | 2800 |
| 0.0         | 0.0  | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0  |
| 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  | 1.0  |

| ALL MONTHS |      |      |      |
|------------|------|------|------|
| 0000       | 0500 | 1000 | 1500 |
| 0.0        | 0.0  | 0.0  | 0.0  |
| 1.0        | 1.0  | 1.0  | 1.0  |

OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CATEGORY 1  
FROM 1500LY TO 1500LY

STATION NUMBER: 724055

STATION NAME: DEAST AFB, NC  
LST TIME: + 4

CATEGORY 1: ANY CEILING OR VISIBILITY (1500LY TO 1500LY)

CATEGORY 2: HIGHEST WINDS (1500LY TO 1500LY)

| TIME (LST)  | 0000 - 0200 | 0200 - 0400 | 0400 - 0600 | 0600 - 0800 | 0800 - 1000 | 1000 - 1200 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SPEED (KTS) | 0-15        | 16-20       | 21-25       | 26-30       | 31-35       | 36-40       | 41-45       | 46-50       | 51-55       | 56-60       | 61-65       | 66-70       |
| CATEGORY 1  | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          |
| CATEGORY 2  | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          |

| TIME (LST)  | 0000 - 0200 | 0200 - 0400 | 0400 - 0600 | 0600 - 0800 | 0800 - 1000 | 1000 - 1200 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SPEED (KTS) | 0-15        | 16-20       | 21-25       | 26-30       | 31-35       | 36-40       | 41-45       | 46-50       | 51-55       | 56-60       | 61-65       | 66-70       |
| CATEGORY 1  | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          |
| CATEGORY 2  | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          |

| TIME (LST)  | 0000 - 0200 | 0200 - 0400 | 0400 - 0600 | 0600 - 0800 | 0800 - 1000 | 1000 - 1200 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SPEED (KTS) | 0-15        | 16-20       | 21-25       | 26-30       | 31-35       | 36-40       | 41-45       | 46-50       | 51-55       | 56-60       | 61-65       | 66-70       |
| CATEGORY 1  | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          |
| CATEGORY 2  | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          | .1          |

FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 135-245

PERIOD OF RECORD: JUL 20 - JUL 29  
MONTH: AUG

CHARTS OF VISIBILITY (HOURLY OBS ONLY)

LIST WINDS REPORTED AT ALL IN 400 (ATLANTIC + SPECIALS)

| 0600 - 0700 |      |      |      | 0800 - 0900 |      |      |      | 0900 - 1100 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 0610        | 0625 | 0640 | 0655 | 0715        | 0730 | 0745 | 0755 | 0815        | 0830 | 0845 | 0855 |
|             |      |      |      |             |      |      |      |             |      |      |      |
|             |      |      |      |             |      |      |      |             |      |      |      |
|             |      |      |      |             |      |      |      |             |      |      |      |

| 1200 - 1300 |      |      |      | 1400 - 2000 |      |      |      | 2100 - 2300 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 1210        | 1225 | 1240 | 1255 | 1315        | 1330 | 1345 | 1355 | 1415        | 1430 | 1445 | 1455 |
|             |      |      |      |             |      |      |      |             |      |      |      |
|             |      |      |      |             |      |      |      |             |      |      |      |
|             |      |      |      |             |      |      |      |             |      |      |      |

| ALL  |      |      |      | ALL  |      |      |      |
|------|------|------|------|------|------|------|------|
| 0610 | 0625 | 0640 | 0655 | 0715 | 0730 | 0745 | 0755 |
|      |      |      |      |      |      |      |      |
|      |      |      |      |      |      |      |      |
|      |      |      |      |      |      |      |      |

OPERATING LOCATION: "AA"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CATEGORY  
FROM 1 JULY 1964-1970

STATION NUMBER: 725065 STATION NAME: REASE AFB TN  
LST TO UTC: + 5

CATEGORY A: ANY CEILING OR VISIBILITY (WHENLY)

CATEGORY B: HIGHEST WINDS REPORTED DURING PERIOD

| TIME (LST)  | 0000 - 0200 |       |       |      | 0200 - 0400 |       |       |      |
|-------------|-------------|-------|-------|------|-------------|-------|-------|------|
| SPEED (KTS) | 0-15        | 16-20 | 21-25 | 26   | 0-15        | 16-20 | 21-25 | 26   |
| CATEGORY A  |             |       |       | .00  | .0          |       |       | .0   |
| CATEGORY B  | .0          |       |       | .074 | .0          | .0    | .2    | .074 |

| TIME (LST)  | 1200 - 1400 |       |       |      | 1400 - 1700 |       |       |      |
|-------------|-------------|-------|-------|------|-------------|-------|-------|------|
| SPEED (KTS) | 0-15        | 16-20 | 21-25 | 26   | 0-15        | 16-20 | 21-25 | 26   |
| CATEGORY A  | .0          |       |       | .00  | .1          |       |       | .0   |
| CATEGORY B  | 0.0         | 1.0   |       | .077 | 0.0         | .0    | .2    | .077 |

| TIME (LST) | 1500 - 1700 |       |       |      |
|------------|-------------|-------|-------|------|
| SPEED KTS  | 0-15        | 16-20 | 21-25 | 26   |
| CATEGORY A | .0          |       |       | .000 |
| CATEGORY B | 0.4         | 1.1   | .2    | .001 |

FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM DAILY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-345

AIRPORT

PERIOD OF RECORD: JUL 79 - JUN 80

MONTH: SEP

STILING OR VISIBILITY (WHOLELY OPS ONLY)

WINDS REPORTED WITHIN THE HOUR (HEADING + SPECIALS)

| 0000 - 0500 |      |      |     | 0600 - 0900 |      |      |      | 1000 - 1100 |      |      |      |
|-------------|------|------|-----|-------------|------|------|------|-------------|------|------|------|
| 15          | 0020 | 0025 | 035 | 0015        | 0020 | 0025 | 035  | 0015        | 0020 | 0025 | 035  |
| .2          |      |      | 900 | .4          |      |      | 900  | .4          |      |      | 900  |
| .1          | .1   | .2   | 900 | 1.2         | .5   |      | 1010 | 3.4         | 1.0  | .1   | 1014 |

| 1200 - 1700 |      |      |     | 1800 - 2000 |      |      |     | 2100 - 2300 |      |      |     |
|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| 15          | 0020 | 0025 | 035 | 0015        | 0020 | 0025 | 035 | 0015        | 0020 | 0025 | 035 |
| .1          |      |      | 900 | .4          |      |      | 900 |             |      |      | 900 |
| .1          | .1   | .2   | 900 | 3.2         | 1.4  | .5   | 959 | 1.3         | .2   | .1   | 900 |

| ALL HOURS |      |      |                |
|-----------|------|------|----------------|
| 15        | 0020 | 0025 | 035            |
|           |      |      | 900            |
| 1.1       | .2   | 4051 | 2.4 .2 .1 7021 |



OPERATING LOCATION: MAW  
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CATEGORY  
1 & 2 WINDS, VARIOUS

STATION NUMBER: 726050

STATION NAME: PRASH-ASH-MA  
LST TO UTC: + 5

CATEGORY 1: ANY GRILING OF VISIBILITY (0-100)

CATEGORY 2: HIGHEST WINDS (0-100)

| TIME (LST)  | 0000 - 0200 | 0200 - 0400 | 0400 - 0600 | 0600 - 0800 | 0800 - 1000 | 1000 - 1200 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SPEED (KTS) | 0015        | 0020        | 0025        | 0030        | 0035        | 0040        | 0045        | 0050        | 0055        | 0060        | 0065        | 0070        |
| CATEGORY 1  |             |             |             |             |             |             |             |             |             |             |             |             |
| CATEGORY 2  | .7          | .1          |             | 1004        |             | 2.0         | 1.0         | .1          | 1017        |             |             | 1.0         |

| TIME (LST)  | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 | 2400 - 2600 | 2600 - 2800 | 2800 - 3000 | 3000 - 3200 | 3200 - 3400 | 3400 - 3600 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SPEED (KTS) | 0015        | 0020        | 0025        | 0030        | 0035        | 0040        | 0045        | 0050        | 0055        | 0060        | 0065        | 0070        |
| CATEGORY 1  | 1.1         | .4          |             | 230         |             | .2          | .2          |             | 230         |             | .2          |             |
| CATEGORY 2  | 7.1         | 1.0         | .6          | 1032        |             | 3.0         | 1.1         | .4          | 101         |             | 1.0         |             |

| TIME (LST) | 0400 - 0600 | 0600 - 0800 | 0800 - 1000 | 1000 - 1200 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 | 2400 - 2600 | 2600 - 2800 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SPEED KTS  | 0015        | 0020        | 0025        | 0030        | 0035        | 0040        | 0045        | 0050        | 0055        | 0060        | 0065        | 0070        |
| CATEGORY 1 | .1          | .3          | .0          | 4650        |             |             |             |             |             |             |             |             |
| CATEGORY 2 | 4.1         | 1.4         | .6          | 5102        |             |             |             |             |             |             |             |             |

5-4-10

FREQUENCY OF OCCURRENCE OF OBSERVATIONS  
HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 194-340

PERIOD OF RECORD: JUL 71 - JUL 89  
MONTH: OCT

CHILDS OF VISIBILITY (HOURLY OBS ONLY)

PERIODS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| 0000 - 0500 |      |      |      | 0600 - 0800 |      |      |      | 0900 - 1100 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 0500        | 0525 | 0550 | 0615 | 0620        | 0625 | 0630 | 0615 | 0620        | 0625 | 0630 | 0635 |
|             |      |      |      |             |      |      |      |             |      |      |      |
|             |      |      |      |             |      |      |      |             |      |      |      |
| 1.0         | .1   | 1017 | 1.0  | 1.4         | .9   | 1054 | 3.0  | 1.7         | .3   | 1032 |      |

| 1200 - 1700 |      |      |      | 1800 - 2000 |      |      |      | 2100 - 2300 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 0500        | 0525 | 0550 | 0615 | 0620        | 0625 | 0630 | 0615 | 0620        | 0625 | 0630 | 0635 |
|             |      |      |      |             |      |      |      |             |      |      |      |
|             |      |      |      |             |      |      |      |             |      |      |      |
| 1.1         | .4   | 101  | 1.3  | .3          | .4   | 993  | 1.0  | .8          | .1   | 1013 |      |

| ALL HOURS |      |      |      | ALL HOURS |      |      |      |
|-----------|------|------|------|-----------|------|------|------|
| 0500      | 0525 | 0550 | 0615 | 0620      | 0625 | 0630 | 0635 |
|           |      |      |      |           |      |      |      |
|           |      |      |      |           |      |      |      |
| .3        | .0   | 4520 | .5   | .2        | .0   | 7490 |      |
| .4        | .0   | 5152 | 3.1  | 1.1       | .4   | 8115 |      |

OPERATING LOCATION NAME  
USAFCTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF EXCESSIVE  
WIND SPEEDY OBSERVATIONS

STATION NUMBER: 724085

STATION NAME: DEASE AND DILL  
LST TO UTC: + 5

CATEGORY A: ANY CEILING OR VISIBILITY (WHILE IN FLIGHT)

CATEGORY B: HIGHEST WIND REPORTED WHILE IN FLIGHT

TIME (LST) 0000 - 0200 0300 - 0500

|             |      |      |      |      |      |      |      |      |      |
|-------------|------|------|------|------|------|------|------|------|------|
| SPEED (KTS) | 0715 | 0720 | 0725 | 0730 | 0715 | 0720 | 0725 | 0730 | 0715 |
| CATEGORY A  | .4   |      |      | .00  | .7   |      |      | .0   | .7   |
| CATEGORY B  | 4.0  | 1.3  | .2   | 1.00 | 4.0  | 1.0  | .4   | 1.00 | 4.0  |

TIME (LST) 1200 - 1400 1500 - 1700

|             |      |      |      |      |      |      |      |      |      |
|-------------|------|------|------|------|------|------|------|------|------|
| SPEED (KTS) | 0715 | 0720 | 0725 | 0730 | 0715 | 0720 | 0725 | 0730 | 0715 |
| CATEGORY A  | .3   |      |      | .00  | .8   |      |      | .00  | .4   |
| CATEGORY B  | 4.0  | 1.3  | .1   | .00  | 3.4  | 1.1  | .7   | 1.00 | 3.1  |

TIME (LST) 0900 - 0900

|            |      |      |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|------|------|
| SPEED KTS  | 0715 | 0720 | 0725 | 0730 | 0715 | 0720 | 0725 | 0730 | 0715 |
| CATEGORY A | .2   | .2   |      | .00  |      |      |      |      | .7   |
| CATEGORY B | 4.0  | 1.4  | .3   | .00  |      |      |      |      | .7   |

5 - 2 - 11



OPERATING LOCATION: "AA"  
USAF/AFAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCUR: 10.00%  
RANGE: 1.00 - 1.00

STATION NUMBER: 72-088

STATION NAME: DEASE AF BASE  
LST DEVICE: + 5

CATEGORY: 1: ANY OTHERS IN VICINITY (0.00% - 1.00%)

CATEGORY: 2: HIGHLY SUSPECT (0.00% - 1.00%)

TIME (LST) 0000 - 0200 0200 - 0400 0400 - 0600 0600 - 0800 0800 - 1000 1000 - 1200 1200 - 1400 1400 - 1600 1600 - 1800 1800 - 2000 2000 - 2200 2200 - 2400

SPEED (KTS) 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70

CATEGORY: 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CATEGORY: 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

TIME (LST) 1000 - 1200 1200 - 1400 1400 - 1600 1600 - 1800 1800 - 2000 2000 - 2200 2200 - 2400

SPEED (KTS) 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70

CATEGORY: 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CATEGORY: 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

TIME (LST) 0600 - 0800 0800 - 1000 1000 - 1200 1200 - 1400 1400 - 1600 1600 - 1800 1800 - 2000 2000 - 2200 2200 - 2400

SPEED (KTS) 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70

CATEGORY: 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

CATEGORY: 2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES

WINDSPEED AT 100 FT. OF 10-15 KNOTS

WIND DIRECTION 180-200 DEGREES  
WINDSPEED AT 100 FT. OF 10-15 KNOTS

WINDSPEED AT 100 FT. OF 10-15 KNOTS

WIND DIRECTION 180-200 DEGREES  
WINDSPEED AT 100 FT. OF 10-15 KNOTS

WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES  
WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES  
WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES

WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES  
WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES  
WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES

WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES  
WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES  
WINDSPEED AT 100 FT. OF 10-15 KNOTS  
WIND DIRECTION 180-200 DEGREES

OPERATING LOCATION: MAW  
USAF-STAR, ASHVILLE, NC

PERCENTAGE CALIBRATION: 100%  
DATE: 10/10/10

STATION NAME: 12345 STATION NAME: 12345  
EST. TIME: 10:00

CATEGORY: 1.0000000000000000

CATEGORY: 1.0000000000000000

TIME (LMT) 10:00 - 10:01  
SPEED (KTS) 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0  
CATEGORY A 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0  
CATEGORY 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

TIME (LMT) 10:02 - 10:03  
SPEED (KTS) 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0  
CATEGORY A 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0  
CATEGORY 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

TIME (LMT) 10:04 - 10:05  
SPEED KTS 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0  
CATEGORY A 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0  
CATEGORY 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

RECORD OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-241

PERIOD OF RECORD: JUL 71 - JUN 72  
MONTH: ALL

WINDING & VISIBILITY (HOURLY OBS. ONLY)

WIND DIRECTION (HOURLY) (LOCALS + SPECIALS)

| 0000 - 0500 |     |     |     | 0600 - 0900 |     |     |     | 1000 - 1100 |     |     |     |
|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|
| 15          | 015 | 015 | 015 | 015         | 015 | 015 | 015 | 015         | 015 | 015 | 015 |
| .1          | .1  | .1  | .1  | .1          | .1  | .1  | .1  | .1          | .1  | .1  | .1  |
| .1          | .1  | .1  | .1  | .1          | .1  | .1  | .1  | .1          | .1  | .1  | .1  |

| 1200 - 1700 |     |     |     | 1800 - 2000 |     |     |     | 2100 - 2300 |     |     |     |
|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|
| 15          | 015 | 015 | 015 | 015         | 015 | 015 | 015 | 015         | 015 | 015 | 015 |
| .1          | .1  | .1  | .1  | .1          | .1  | .1  | .1  | .1          | .1  | .1  | .1  |
| .1          | .1  | .1  | .1  | .1          | .1  | .1  | .1  | .1          | .1  | .1  | .1  |

| ALL |     |     |     | 40000 |     |     |     |
|-----|-----|-----|-----|-------|-----|-----|-----|
| 15  | 015 | 015 | 015 | 015   | 015 | 015 | 015 |
| .1  | .1  | .1  | .1  | .1    | .1  | .1  | .1  |
| .1  | .1  | .1  | .1  | .1    | .1  | .1  | .1  |



|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 |

|            |            |     |     |
|------------|------------|-----|-----|
| 1000000000 | 1111111111 | 100 | 100 |
| 1000000000 | 1111111111 | 100 | 100 |
| 1000000000 | 11         | 100 | 100 |
| 1000000000 | 11         | 100 | 100 |
| 1000000000 | 11         | 100 | 100 |
| 1000000000 | 11         | 100 | 100 |
| 1000000000 | 11         | 100 | 100 |
| 1000000000 | 11         | 100 | 100 |
| 1000000000 | 11         | 100 | 100 |
| 1000000000 | 11         | 100 | 100 |

1 - 1 - 1

DEGREE DAY SUMMIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAXIMUM AND MINIMUM AVAILABLE). THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR.

INCLUDED MONTHLY EACH SUMMARY AND STATISTICS, ALSO, IF AVAILABLE (IF AVAILABLE). THE 30-YEAR PERIODS PROVIDED ARE USUALLY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). THE DATA CHANGE TO 1961-1990 AS SOON AS DATA FOR 1990 IS AVAILABLE.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN ERROR IN CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

THE "HEATING DEGREE DAY" IS ASSIGNED TO A PRESENT DAY MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE" TEMPERATURE. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON THAT DAY IS SAID TO HAVE BEEN HEATING DEGREE DAY.

COOLING DEGREE DAYS.

THE "COOLING DEGREE DAY" IS ASSIGNED TO A PRESENT DAY TEMPERATURE RISES ABOVE A DESIGNATED "BASE" TEMPERATURE. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON THAT DAY IS SAID TO HAVE BEEN COOLING DEGREE DAY.

\*65 DEGREES FAHRENHEIT HAS BEEN USED AS THE "BASE" TEMPERATURE AT WHICH (AT LEAST THEORETICALLY) COOLING IS PERMITTED. IF APPLIED AS SUCH, IT IS NOT IN TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND

TABLE 1  
SUMMARY OF DATA

AVAILABLE (MAXIMUM AVAILABLE), THESE TABLES GIVE THE  
FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE RECORD.

PRIMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980)

30-YEAR PERIOD PROVIDES THE USER WITH A SUMMARY

STANDARD CLIMATIC PUBLICATIONS, NOTABLY THE

IN DATA CENTER (NODC). NOTE THAT THE 30-YEAR PERIOD

WILL BE DATA FOR MONTHS 1951-1980 HAS BEEN PROCESSED.

IN DATA AND MONTHS WITH A VALUE OF 0.00 ARE BLANKS

VALUES (\*\*\*\*) OF 0.00 IN INCOMPLETE MONTH WITH A DAY (30 DAYS) THAT  
WILL BE 0.00 AUTOMATICALLY.

IN IS ASSIGNED TO REPRESENT EACH DAY THAT THE

VALUES A DESIGNATED "WASSE TEMPERATURE" OF 0.00 DEGREES\*

IN, IF THE WASSER TEMPERATURE FOR A GIVEN DAY IS 0.00 DEGREES,

WASSER TEMPERATURE IS 0.00 DAYS.

IN IS ASSIGNED TO REPRESENT EACH DAY THAT THE

VALUES A DESIGNATED "WASSER TEMPERATURE" OF 0.00 DEGREES\*

IN, IF THE WASSER TEMPERATURE FOR A GIVEN DAY IS 0.00

WASSER TEMPERATURE IS 0.00 DAYS.

WASSER TEMPERATURE IS 0.00 DEGREES\* STATION

WASSER TEMPERATURE IS 0.00 DEGREES\* STATION

WASSER TEMPERATURE IS 0.00 DEGREES\* STATION

WASSER TEMPERATURE IS 0.00 DEGREES\* STATION

WASSER TEMPERATURE IS 0.00 DEGREES\* STATION

OPERATING LOCATION "A"  
USAFETAG, ASHVILLE NC

HEATING DEGREE DAYS  
BASED ON JULY 1977 DATA

STATION NUMBER: 726058 STATION NAME: PEASE AIR FB  
LST TO UTC: + 5

| YEARS | JAN  | FEB  | MAR  | APR | MAY | JUN | JUL | AUG |
|-------|------|------|------|-----|-----|-----|-----|-----|
| 1956  |      |      |      |     | 375 | 77  | 0   | 10  |
| 1957  | 1432 | 1247 | 856  | 527 | 250 | 41  | 0   | 21  |
| 1958  | 1166 | 1207 | 851  | 544 | 302 | 124 | 14  | 0   |
| 1959  | 1243 | 1172 | 947  | 565 | 199 | 121 | 1   | 27  |
| 1960  | 1157 | 952  | 1055 | 506 | 137 | 47  |     | 17  |
| 1961  | 1410 | 1052 | 924  | 553 | 354 | 87  | 32  | 20  |
| 1962  | 1222 | 1219 | 843  | 582 | 350 | 53  | 20  | 29  |
| 1963  | 1173 | 1220 | 854  | 588 | 221 | 71  | 10  | 34  |
| 1964  | 1200 | 1176 | 870  | 506 | 170 | 50  | 3   | 0   |
| 1965  | 1200 | 1115 | 837  | 544 | 217 | 0   | 0   | 22  |
| 1966  | 1207 | 1032 | 910  | 725 | 404 | 91  | 0   | 17  |
| 1967  | 1220 | 1202 | 1020 | 583 | 350 | 80  |     | 13  |
| 1968  | 1404 | 1255 | 952  | 535 | 300 | 123 | 7   | 0   |
| 1969  | 1235 | 1007 | 1012 | 570 | 317 | 51  | 0   | 21  |
| 1970  | 1435 | 1004 | 877  | 502 | 240 | 70  | 0   | 1   |
| 1971  | 1411 | 1041 | 934  | 582 | 320 | 40  |     | 10  |
| 1972  | 1153 | 1151 | 840  | 549 | 255 | 55  | 0   | 10  |
| 1973  | 1102 | 1070 | 705  | 490 | 342 | 55  |     | 0   |
| 1974  | 1151 | 1077 | 805  | 470 | 240 | 75  | 7   | 16  |
| 1975  | 1001 | 1000 | 870  | 500 | 197 | 122 | 0   | 0   |
| 1976  | 1342 | 951  | 860  | 455 | 271 | 40  | 11  | 39  |
| 1977  | 1410 | 1077 | 801  | 570 | 264 | 0   |     | 10  |
| 1978  | 1200 | 1139 | 987  | 510 | 170 | 31  | 11  | 16  |
| 1979  | 1125 | 1006 | 822  | 520 | 236 | 0   | 0   | 0   |
| 1980  | 1154 | 1177 | 950  | 573 | 240 | 0   | 0   | 10  |

HEATING DEGREE DAYS  
 FROM JULY 1 TO FALL 10

BASE TEMPERATURE OF

PERIOD OF RECORD: MAY 24 - JUL 27

.....  
 MAY JUN JUL AUG SEP OCT NOV DEC JAN  
 .....

77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 124 124 124 124 407 577 1307 6795  
 131 131 131 131 114 414 589 1156 6795  
 147 147 147 147 145 447 641 1156 6795

77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156

77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 124 124 124 124 407 577 1307 6795  
 131 131 131 131 114 414 589 1156 6795  
 147 147 147 147 145 447 641 1156 6795

77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156

77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156  
 77 77 77 77 243 413 667 1156 1156

|      |        |        |       |       |       |       |      |       |     |
|------|--------|--------|-------|-------|-------|-------|------|-------|-----|
| 1981 | 1451   | 1452   | 950   | 573   | 245   | 15    |      | 24    |     |
| 1982 | 1435   | 1257   | 933   | 597   | 232   | 157   | 1    | 41    |     |
| 1983 | 1142   | 733    | 748   | 509   | 319   | 1     |      | 17    |     |
| 1984 | 1573   | 915    | 1257  | 523   | 301   | 71    | 11   | 3     |     |
| 1985 | 1553   | 971    | 759   | 573   | 253   | 61    |      | 40    |     |
| 1986 | 1151   | 1134   | 831   | 491   | 332   | 142   | 11   | 32    |     |
| 1987 | 1213   | 1131   | 913   | 569   | 305   | 74    |      | 32    |     |
| 1988 | 1233   | 1044   | 853   | 562   | 263   | 76    | 1    | 21    |     |
| 1989 | 1025   | 1007   | 902   | 500   | 195   | 71    |      |       |     |
| MEAN | 1204   | 1034   | 912   | 579   | 253   | 75    | 3    | 23    |     |
| SD   | 124.21 | 103.47 | 13.75 | 54.25 | 48.95 | 30.31 | 2.42 | 14.25 | 41. |

|     |     |    |    |     |     |     |      |      |
|-----|-----|----|----|-----|-----|-----|------|------|
| 4.6 | 15  | 4  | 24 | 132 | 426 | 703 | 1083 | 5322 |
| 112 | 137 | 12 | 44 | 111 | 433 | 500 | 913  | 4539 |
| 175 | 12  | 2  | 17 | 106 | 454 | 551 | 1112 | 5161 |
| 301 | 71  | 11 | 3  | 162 | 343 | 712 | 944  | 4406 |
| 703 | 41  | 1  | 33 | 142 | 414 | 574 | 1123 | 5519 |

|     |     |    |    |     |     |     |      |      |
|-----|-----|----|----|-----|-----|-----|------|------|
| 332 | 102 | 11 | 33 | 231 | 465 | 737 | 952  | 4639 |
| 175 | 73  | 4  | 32 | 116 | 453 | 549 | 956  | 5438 |
| 263 | 15  | 13 | 21 | 124 | 455 | 595 | 1050 | 5322 |
| 1   | 75  |    |    |     |     |     |      | 3775 |

|     |    |   |    |     |     |     |      |  |
|-----|----|---|----|-----|-----|-----|------|--|
| 263 | 75 | 9 | 23 | 147 | 425 | 592 | 1098 |  |
|-----|----|---|----|-----|-----|-----|------|--|

1.55 50.21 3.42 14.29 41.04 50.72 72.15 121.72



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE- NC

STATION NO. 725055  
STATION NAME: DIANE AFB, NC

STATION NUMBER: 725055 STATION NAME: DIANE AFB, NC  
LST TO JIC: + 5

| YEARS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEPT | OCT | NOV | DEC | TOTAL |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|
| 1955  |     |     |     |     | 11  | 127 |     | 17  |      |     |     |     | 155   |
| 1956  |     |     |     | 8   | 21  | 13  |     | 14  |      |     |     |     | 56    |
| 1957  |     |     |     |     | 11  | 61  |     | 171 |      |     |     |     | 179   |
| 1958  |     |     |     |     | 57  |     |     | 111 |      |     |     |     | 169   |
| 1959  |     |     |     |     | 1   | 117 |     | 171 |      |     |     |     | 299   |
| 1960  |     |     |     |     |     |     |     |     |      |     |     |     |       |
| 1961  |     |     |     |     | 12  | 7   |     | 19  |      |     |     |     | 38    |
| 1962  |     |     |     |     | 24  | 2   |     |     |      |     |     |     | 26    |
| 1963  |     |     |     |     | 4   | 1   |     | 22  |      |     |     |     | 27    |
| 1964  |     |     |     |     | 1   | 111 |     | 171 |      |     |     |     | 283   |
| 1965  |     |     |     |     | 13  | 121 |     | 171 |      |     |     |     | 305   |
| 1966  |     |     |     |     |     |     |     |     |      |     |     |     |       |
| 1967  |     |     |     |     | 6   | 2   |     | 14  |      |     |     |     | 22    |
| 1968  |     |     |     |     |     | 127 |     | 171 |      |     |     |     | 305   |
| 1969  |     |     |     |     |     | 22  |     | 14  |      |     |     |     | 36    |
| 1970  |     |     |     |     |     | 12  |     | 171 |      |     |     |     | 183   |
| 1971  |     |     |     |     | 1   | 124 |     | 14  |      |     |     |     | 139   |
| 1972  |     |     |     |     | 13  | 6   |     | 27  |      |     |     |     | 46    |
| 1973  |     |     |     |     | 1   | 127 |     | 14  |      |     |     |     | 142   |
| 1974  |     |     |     | 11  | 17  | 1   |     | 14  |      |     |     |     | 43    |
| 1975  |     |     |     |     | 1   | 17  |     | 14  |      |     |     |     | 32    |
| 1976  |     |     |     | 22  | 12  | 124 |     | 14  |      |     |     |     | 172   |
| 1977  |     |     |     | 4   | 53  | 53  |     | 171 |      |     |     |     | 281   |
| 1978  |     |     |     |     | 17  | 2   |     | 14  |      |     |     |     | 33    |
| 1979  |     |     |     |     | 19  | 99  |     | 14  |      |     |     |     | 132   |
| 1980  |     |     |     |     | 7   | 72  |     | 14  |      |     |     |     | 93    |

1. PLIND DIOXIDE DAYS  
 2. PLIND DIOXIDE DAYS

BASE TEMPERATURE 60

TABLE 1. PLIND DIOXIDE DAYS (PLIND DIOXIDE DAYS) (PLIND DIOXIDE DAYS)

.....  
 7 50 100 150 200 250 300 350 400  
 .....

|    |     |     |     |     |   |     |
|----|-----|-----|-----|-----|---|-----|
| 11 | 127 | 14  | 173 | 39  | 6 | 477 |
| 11 | 13  | 14  | 5   | 10  |   | 13  |
| 11 | 61  | 171 | 175 | 43  | 1 | 443 |
| 17 |     | 191 | 192 | 121 | 6 | 711 |
| 11 | 117 | 173 | 185 | 43  |   | 477 |

|    |     |     |     |     |    |     |
|----|-----|-----|-----|-----|----|-----|
| 17 | 7   | 141 | 145 | 107 |    | 477 |
| 11 | 13  | 1   | 136 | 21  |    | 133 |
| 11 | 1   | 12  | 6   | 18  | 13 | 433 |
| 11 | 111 | 173 | 7   | 47  |    | 477 |
| 11 | 141 | 173 | 173 | 74  |    | 477 |

|    |     |     |     |    |   |     |
|----|-----|-----|-----|----|---|-----|
| 11 | 13  | 14  | 77  | 7  |   | 137 |
| 11 | 137 | 137 | 137 | 28 | 1 | 136 |
| 11 | 137 | 137 | 137 | 31 | 1 | 136 |
| 11 | 137 | 137 | 137 | 33 | 1 | 137 |
| 11 | 137 | 137 | 137 | 31 |   | 136 |

|    |     |     |     |    |   |     |
|----|-----|-----|-----|----|---|-----|
| 11 | 136 | 136 | 136 | 34 |   | 133 |
| 11 | 136 | 136 | 136 | 37 |   | 133 |
| 11 | 136 | 136 | 136 | 37 |   | 133 |
| 11 | 136 | 136 | 136 | 42 | 1 | 133 |
| 11 | 136 | 136 | 136 | 3  |   | 136 |

|    |     |     |     |    |    |     |
|----|-----|-----|-----|----|----|-----|
| 11 | 136 | 136 | 136 | 19 | 2  | 133 |
| 11 | 136 | 136 | 136 | 42 |    | 133 |
| 11 | 136 | 136 | 136 | 3  | 3  | 137 |
| 11 | 136 | 136 | 136 | 42 | 13 | 133 |
| 11 | 136 | 136 | 136 | 71 |    | 137 |

1931

1932

1933

1934

1935

1936

1937

1938

1939

1940

52

4.44

17.7

10.8

41.1

N

|    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 11 | 1.7 | 1.7 | 1.7 | 1.7 | 7   |
| 12 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 14 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 15 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |

|    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 12 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 14 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 15 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |

|    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 16 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 17 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |

STATION NAME: PASE DE LA  
 LATITUDE/LONGITUDE: 43 01 N 171 42 W  
 PERIOD OF OBS: JUL 79 - JUN 80  
 SUMMARY OF DAY PER: APR 81 - JUN 82  
 HOUR SUMMARY: 0000 - 2359  
 LST IS SIG: +33

A

PLS/Y1 = PLS/YFAS

$\mu_{CPA} = 10.01 \text{ CAS}^2 \text{ MA}$

$\sigma = 2.55 \text{ TPa}$ , 0.0

$$A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

..11.1 111-20

17. 30. 4  
- JUL 19  
101

STATION NO: 101-41  
STATION NO: 720055  
CALL SIGN: 1204  
DATE: 10/10/1999

| DAY | JUN   | JUL  | AUG  | SEP  | OCT  | NOV  | DEC   | JAN   | FEB   | YTD |
|-----|-------|------|------|------|------|------|-------|-------|-------|-----|
| 1   | 27    | 101  | 100  | 94   | 77   | 78   | 68    | 101   | 33    |     |
| 2   | 24.5  | 79.3 | 77.2 | 78.3 | 50.7 | 41.0 | 37.1  | 36.2  | 33    |     |
| 3   | 31.3  | 77.3 | 52.1 | 31.2 | 31.1 | 31.1 | 22.2  | 30.1  | 33    |     |
| 4   | 40.7  | 31.7 | 31.0 | 30.0 | 32.2 | 42.1 | 31.1  | 32.0  | 33    |     |
| 5   | 33    | 47   | 42   | 32   | 23   | 11   | -8    | -18   | 33    |     |
| 6   | 1     | 1    | 2    | 2    | 1    | 0    | 0     | 7     | 33    |     |
| 7   | 2     | 15   | 13   | 4    | 1    |      |       | 47    | 33    |     |
| 8   | 2     | 2    | 2    | 2    | 2    | 12   | 17    | 120   | 33    |     |
| 9   | 2     | 2    | 2    | 2    | 2    | 2    | 1     | 4     | 33    |     |
| 10  | 24    | 74   | 35   | 147  | 408  | 32   | 1243  | 4596  | 33    |     |
| 11  | 14    | 14   | 143  | 143  | 33   | 3    | 3     | 326   | 33    |     |
| 12  | 34.1  | 31.7 | 24.3 | 31.7 | 31.1 | 31.1 | 12.8  | 18.2  | 10    |     |
| 13  | 31.1  | 31.7 | 33.3 | 32.3 | 32.3 | 37.3 | 27.7  | 27.4  | 33.4  | 10  |
| 14  | 30.1  | 31.1 | 31.1 | 30.0 | 30.0 | 30.0 | 30.0  | 30.0  | 30.0  | 10  |
| 15  | 34.1  | 34.7 | 34.7 | 32.3 | 32.3 | 77.3 | 71.0  | 34.1  | 72.5  | 10  |
| 16  | 31.1  | 31.1 | 31.0 | 31.0 | 31.1 | 30.7 | 30.0  | 30.0  | 30.0  | 10  |
| 17  | 31.1  | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1  | 31.1  | 31.1  | 33  |
| 18  | 11.11 | 31.1 | 31.1 | 7.31 | 7.21 | 11.1 | 11.71 | 11.06 | 36.06 | 33  |
| 19  | 31.1  | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1  | 31.1  | 31.1  | 33  |
| 20  | 1.11  | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11  | 1.11  | 1.11  | 33  |
| 21  | 11    | 11   | 11   | 11   | 11   | 11   | 11    | 11    | 11    | 33  |
| 22  | 2     | 2    | 2    | 2    | 2    | 2    | 2     | 2     | 2     | 33  |
| 23  | 10.3  | 2    | 2    | 2    | 2    | 2.2  | 2.2   | 11.1  | 20.4  | 33  |
| 24  | 2     | 2    | 2    | 2    | 2    | 2.2  | 11.1  | 20.4  | 111.2 | 33  |
| 25  | 2     | 2    | 2    | 2    | 2    | 1    | 1.1   | 11.1  | 30.6  | 33  |
| 26  | 2     | 2    | 2    | 2    | 2    | 1    | 1     | 7     | 33    | 33  |
| 27  | 2     | 2    | 2    | 2    | 2    | 2    | 1     | 2     | 12    | 32  |
| 28  | 2     | 2    | 2    | 2    | 2    | 2    | 2     | 2     | 34    | 33  |
| 29  | 100   | 273  | 1270 | 273  | 1270 | 2273 | 312   | 112   | 1500  | 10  |
| 30  | 22    | 31.5 | 31.2 | 4.3  | 4.4  | 9.1  | 9.9   | 31.1  | 31.4  | 10  |
| 31  | 31    | 31   | 31   | 31   | 31   | 31   | 31    | 31    | 31    | 34  |
| 32  | 37.3  | 37.0 | 32.0 | 30.0 | 31.5 | 31.0 | 37.3  | 37.4  | 38.4  | 10  |
| 33  | 1     | 2    | 4    | 4    | 2    | 1    | 1     | 4     | 23    | 33  |
| 34  | 14    | 14   | 14   | 14   | 14   | 14   | 14    | 14    | 102   | 33  |

WIND/HR = WIND/HR OF RECORD  
 WIND = WIND CASE MAXIMUM PRESSURE ALTITUDE  
 W = LESS THAN 0.5 DAYS OR INCH AS APPLICABLE  
 S = PERCENTAGE OF CAL WINDS GREATER THAN 25 PERCENT TO MEAN  
 WIND DIRECTION

15

|            |         | MONTHS RECEIVING DATA FROM MAY 1961 |      |      |      |      |      |      |
|------------|---------|-------------------------------------|------|------|------|------|------|------|
|            |         | JAN                                 | FEB  | MAR  | APR  | MAY  | JUN  | JUL  |
| .....      |         |                                     |      |      |      |      |      |      |
| CST        |         |                                     |      |      |      |      |      |      |
|            | 00 - 02 | 18.4                                | 21.4 | 21.2 | 17.7 | 21.7 | 18.1 | 18.1 |
|            | 03 - 05 | 18.2                                | 22.2 | 22.2 | 20.1 | 20.2 | 18.7 | 18.2 |
| CIS        | 06 - 08 | 16.8                                | 23.4 | 23.4 | 20.7 | 23.2 | 20.1 | 20.1 |
| LI 3000 FT | 09 - 11 | 12.1                                | 20.2 | 24.2 | 27.6 | 24.1 | 22.1 | 17.7 |
| ANT/ST     | 12 - 14 | 12.7                                | 13.4 | 22.2 | 20.1 | 20.1 | 17.1 | 17.1 |
| VSLY       | 15 - 17 | 12.3                                | 17.7 | 21.1 | 23.1 | 18.1 | 16.1 | 17.1 |
| LI 2000 FT | 18 - 20 | 15.2                                | 13.4 | 20.4 | 23.7 | 18.1 | 17.1 | 18.1 |
|            | 21 - 23 | 15.2                                | 13.6 | 21.4 | 20.3 | 21.3 | 17.1 | 18.1 |
| ALL        |         | 16.9                                | 20.4 | 22.1 | 20.3 | 21.3 | 20.1 | 17.1 |
| .....      |         |                                     |      |      |      |      |      |      |
|            | 00 - 02 | 12.7                                | 15.4 | 18.7 | 21.7 | 21.7 | 17.1 | 14.1 |
|            | 03 - 05 | 12.7                                | 17.3 | 18.2 | 20.7 | 21.7 | 17.1 | 17.1 |
| CIS        | 06 - 08 | 11.7                                | 17.1 | 17.2 | 21.7 | 21.7 | 17.1 | 17.1 |
| LI 1500 FT | 09 - 11 | 13.9                                | 14.6 | 17.2 | 21.7 | 21.7 | 17.1 | 17.1 |
| ANT/ST     | 12 - 14 | 13.2                                | 13.6 | 19.3 | 17.4 | 18.7 | 17.1 | 17.1 |
| VSLY       | 15 - 17 | 14.2                                | 14.4 | 18.7 | 18.3 | 17.1 | 17.1 | 17.1 |
| LI 1000 FT | 18 - 20 | 12.1                                | 13.3 | 14.7 | 17.4 | 17.7 | 17.1 | 17.1 |
|            | 21 - 23 | 11.7                                | 14.7 | 15.6 | 20.7 | 17.1 | 17.1 | 17.1 |
| ALL        |         | 12.7                                | 14.7 | 15.1 | 21.7 | 17.1 | 17.1 | 17.1 |
| .....      |         |                                     |      |      |      |      |      |      |
|            | 00 - 02 | 10.5                                | 13.2 | 13.7 | 13.7 | 17.1 | 17.4 | 17.1 |
|            | 03 - 05 | 9.7                                 | 13.4 | 14.7 | 21.3 | 20.7 | 17.1 | 17.1 |
| CIS        | 06 - 08 | 9.7                                 | 13.4 | 14.7 | 20.7 | 17.1 | 17.1 | 17.1 |
| LI 1000 FT | 09 - 11 | 9.5                                 | 13.6 | 13.7 | 17.1 | 17.1 | 17.1 | 17.1 |
| ANT/ST     | 12 - 14 | 9.6                                 | 11.3 | 13.3 | 11.7 | 13.4 | 17.1 | 17.1 |
| VSLY       | 15 - 17 | 9.7                                 | 10.7 | 11.3 | 11.7 | 13.2 | 17.1 | 17.1 |
| LI 500 FT  | 18 - 20 | 9.1                                 | 11.2 | 11.7 | 13.1 | 13.3 | 17.4 | 17.1 |
|            | 21 - 23 | 10.3                                | 13.6 | 12.7 | 17.1 | 17.3 | 17.1 | 17.1 |
| ALL        |         | 9.7                                 | 12.4 | 13.7 | 17.1 | 17.1 | 17.1 | 17.1 |
| .....      |         |                                     |      |      |      |      |      |      |
|            | 00 - 02 | 1.4                                 | 2.5  | 1.2  | 1.2  | 3.3  | 3.3  | 3.3  |
|            | 03 - 05 | 1.1                                 | 2.6  | 1.3  | 3.4  | 3.4  | 3.2  | 7.7  |
| CIS        | 06 - 08 | 1.1                                 | 1.4  | 2.3  | 2.4  | 3.7  | 1.7  | 2.7  |
| LI 2000 FT | 09 - 11 | 1.7                                 | 2.2  | 1.2  | 1.1  | 1.2  | 1.7  | 1.7  |
| ANT/ST     | 12 - 14 | 1.2                                 | 2.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  |
| VSLY       | 15 - 17 | 1.6                                 | 1.3  | 1.3  | 1.7  | 1.7  | 1.7  | 1.7  |
| LI 1500 FT | 18 - 20 | 1.3                                 | 1.7  | 1.7  | 2.0  | 1.7  | 1.7  | 1.7  |
|            | 21 - 23 | 1.3                                 | 2.7  | 1.6  | 2.4  | 3.2  | 1.7  | 1.7  |
| ALL        |         | 1.2                                 | 2.1  | 1.6  | 1.7  | 2.3  | 1.7  | 2.3  |

.....

NUMERICAL STRESS OBSERVED FOR THE PERIOD 1961 - 1962

|       | JUL | JUL | 1961  | 1962 | 1963 |
|-------|-----|-----|-------|------|------|
| 5000  | 0/0 | 1/1 | 2/2   | 2/2  | 2/1  |
| 12000 | 0/0 | 1/2 | 3/3   | 3/3  | 3/1  |
| 24000 | 0/3 | 3/7 | 12/11 | 14/7 | 1/5  |

MONTHLY MEASUREMENTS OF FREQUENCY OF GULLING AND VISIBILITY

| DATE | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | JAN  | FEB  |
|------|------|------|------|------|------|------|------|------|------|------|
| 1977 | 27.7 | 22.9 | 21.1 | 19.1 | 17.7 | 20.1 | 19.6 | 23.7 | 21.7 | 21.9 |
| 1978 | 20.1 | 20.1 | 20.2 | 24.5 | 22.4 | 23.4 | 20.7 | 20.2 | 23.7 | 23.4 |
| 1979 | 20.7 | 23.0 | 24.1 | 23.1 | 23.1 | 22.9 | 21.7 | 23.4 | 23.1 | 23.1 |
| 1980 | 27.6 | 24.1 | 22.3 | 17.2 | 19.5 | 18.9 | 17.2 | 24.4 | 21.1 | 21.1 |
| 1981 | 20.7 | 20.2 | 17.4 | 12.4 | 13.1 | 15.3 | 17.9 | 21.4 | 17.4 | 17.7 |
| 1982 | 23.1 | 19.4 | 19.2 | 11.9 | 12.4 | 13.9 | 16.2 | 21.3 | 19.1 | 17.5 |
| 1983 | 18.7 | 17.7 | 14.7 | 14.7 | 11.9 | 13.3 | 15.2 | 21.1 | 23.7 | 17.4 |
| 1984 | 20.8 | 21.4 | 17.4 | 14.9 | 12.4 | 15.6 | 16.9 | 23.1 | 20.4 | 14.9 |
| 1985 | 20.9 | 21.9 | 20.1 | 14.9 | 16.3 | 14.1 | 14.1 | 23.4 | 21.3 | 20.1 |
| 1986 | 21.7 | 21.7 | 19.2 | 17.2 | 18.7 | 16.9 | 16.3 | 18.7 | 18.9 | 17.2 |
| 1987 | 20.9 | 22.4 | 19.7 | 20.1 | 18.8 | 19.2 | 17.6 | 18.2 | 18.7 | 19.6 |
| 1988 | 20.7 | 20.7 | 21.4 | 18.4 | 17.9 | 18.4 | 19.7 | 21.0 | 18.1 | 19.1 |
| 1989 | 14.7 | 19.4 | 17.5 | 15.1 | 14.3 | 15.3 | 14.3 | 20.3 | 14.7 | 16.7 |
| 1990 | 17.4 | 16.7 | 18.7 | 9.2  | 10.2 | 11.9 | 12.7 | 18.4 | 13.4 | 13.4 |
| 1991 | 18.7 | 13.1 | 13.1 | 9.1  | 7.5  | 11.3 | 11.7 | 18.0 | 13.2 | 12.7 |
| 1992 | 17.4 | 17.2 | 15.1 | 11.7 | 9.1  | 10.7 | 11.7 | 13.4 | 13.7 | 13.7 |
| 1993 | 17.7 | 17.7 | 17.4 | 12.2 | 13.1 | 13.5 | 13.4 | 14.7 | 14.1 | 14.7 |
| 1994 | 17.7 | 18.1 | 17.2 | 14.5 | 13.3 | 14.7 | 14.7 | 15.7 | 14.9 | 15.7 |
| 1995 | 19.7 | 14.7 | 13.4 | 15.5 | 11.5 | 14.7 | 13.5 | 13.7 | 13.6 | 14.7 |
| 1996 | 21.3 | 20.3 | 17.7 | 12.4 | 14.7 | 15.1 | 15.7 | 15.7 | 13.7 | 15.2 |
| 1997 | 17.7 | 14.7 | 13.4 | 11.7 | 15.6 | 13.9 | 17.9 | 18.1 | 14.4 | 15.2 |
| 1998 | 17.1 | 15.7 | 14.7 | 11.7 | 15.2 | 16.9 | 11.7 | 13.7 | 11.5 | 12.7 |
| 1999 | 11.4 | 13.4 | 17.4 | 7.9  | 7.9  | 9.1  | 10.7 | 11.7 | 10.7 | 10.1 |
| 2000 | 11.7 | 13.2 | 9.4  | 7.1  | 9.7  | 9.2  | 9.6  | 11.2 | 9.7  | 9.2  |
| 2001 | 15.7 | 15.3 | 13.4 | 12.3 | 7.2  | 9.2  | 9.2  | 11.3 | 11.7 | 11.0 |
| 2002 | 17.7 | 17.7 | 12.4 | 11.2 | 14.7 | 12.3 | 11.2 | 11.3 | 12.4 | 12.6 |
| 2003 | 17.1 | 17.9 | 16.7 | 12.4 | 12.1 | 11.7 | 12.4 | 12.1 | 11.7 | 12.7 |
| 2004 | 14.2 | 9.7  | 8.4  | 9.7  | 1.4  | 2.7  | 3.3  | 1.3  | 1.7  | 2.3  |
| 2005 | 13.7 | 9.6  | 3.2  | 7.2  | 3.1  | 3.1  | 4.7  | 2.1  | 1.7  | 3.3  |
| 2006 | 12.4 | 9.2  | 1.5  | 3.2  | 2.7  | 2.7  | 4.7  | 3.3  | 1.4  | 2.4  |
| 2007 | 12.2 | 10.2 | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.2  | 1.3  | 1.3  |
| 2008 | 11.7 | 1.7  | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.7  | 1.3  | 1.3  |
| 2009 | 11.7 | 1.7  | 1.4  | 1.1  | 1.9  | 1.1  | 1.1  | 1.7  | 1.1  | 1.7  |
| 2010 | 2.7  | 1.3  | 1.7  | 1.2  | 1.5  | 1.9  | 2.2  | 1.4  | 1.3  | 1.3  |
| 2011 | 2.4  | 1.2  | 1.3  | 1.5  | 1.1  | 1.9  | 2.4  | 1.7  | 1.2  | 1.9  |
| 2012 | 1.9  | 2.3  | 1.5  | 2.3  | 1.3  | 1.5  | 2.9  | 1.5  | 1.3  | 1.3  |

1977-1999 - 1999

|     |       |      |     |     |       |
|-----|-------|------|-----|-----|-------|
| JUL | 2/1   | 2/2  | 2/3 | 2/4 | 2/5   |
| 1/1 | 2/2   | 2/2  | 2/1 | 3/0 | 5/5   |
| 1/2 | 4/5   | 5/3  | 3/1 | 3/1 | 10/12 |
| 2/1 | 12/11 | 14/7 | 1/5 | 2/1 | 30/31 |





